

19990701.qrp v01_n505.qrl.990701

Date: Thu, 1 Jul 1999 19:12:54 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1505

QRP-L Digest 1505

Topics covered in this issue include:

- 1) [43938] Re: Dummy Load Night
by "Randy Jouett" <rules@bellsouth.net>
- 2) [43939] Re: Flame Bait 101
by "curt" <k3ivb@stargate.net>
- 3) [43940] DSW40 pic
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 4) [43941] Re: Dummy Load Night - freq's?
by "ronald" <ronald@crl.com>
- 5) [43942] Re: dBm
by Russ Hines <radioruss@fuse.net>
- 6) [43943] RE:Collapsible Masts
by Erin_Scott@gstworld.net
- 7) [43944] RE: Collapsible Masts
by "Kory Hamzeh" <kory@avatar.com>
- 8) [43945] Re: [43817] Re: Water Bottle Throwing
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 9) [43946] More K2 rants &c
by Nils R Young <nilsbull@juno.com>
- 10) [43947] Field Day with milliwatts
by Jim Hale <kj5tf@yahoo.com>
- 11) [43948] Re: Collapsible antenna poles?
by "Larry Przyborowski" <lprzyski@erols.com>
- 12) [43949] RE:Collapsible Masts
by "Tom H" <hybiske@generalatronics.com>
- 13) [43950] How about a general coverage Rcvr.
by pierce@rice.edu (George F. Pierce)
- 14) [43951] Flashback
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 15) [43952] Re: FD 99 -DON'T DO's
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 16) [43953] tower paint FD
by Andy C Meng <andymeng@juno.com>
- 17) [43954] FS: NorCal K8FF paddles
by mwattcpa@earthlink.net (Marty Watt)
- 18) [43955] VK2TIP has modem back
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 19) [43956] Re: NFL

- by "BC" <bcrow@powerlink.net>
- 20) [43957] Homebrew mast holder
by tom whalen <wb5qyt@eFortress.com>
- 21) [43958] QRP "Miles-Per-Watt" World Record
by "Randy Jouett" <rules@bellsouth.net>
- 22) [43959] Re: How about a general coverage Rcvr.
by jmbrown@edge.net (JERRY BROWN)
- 23) [43960] Re: FD 99 -DON'T DO's
by "Paul Harden, NA5N" <na5n@rtt66.com>
- 24) [43961] re: FT-990 QRP
by PGSPersEng@aol.com
- 25) [43962] Re: QRP "Miles-Per-Watt" World Record
by Radioham <radioham@erols.com>
- 26) [43963] Crystal Matching
by "Frank Matthews" <fmathews@pilot.infi.net>
- 27) [43964] qrp-1 cd, another source
by John Sullivan <kg0mz@southwind.net>
- 28) [43965] Re: QRP "Miles-Per-Watt" World Record
by david fouchey <dafouchey@home.com>
- 29) [43966] general coverage receiver
by barry kirkwood <bjk@ihug.co.nz>
- 30) [43967] Moonbounce QRP "Miles-Per-Watt" QSOs
by Radioham <radioham@erols.com>
- 31) [43968] Re: rig for novice then general
by Rick Sealey <rsealey@InfoAve.Net>
- 32) [43969] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
by david fouchey <dafouchey@home.com>
- 33) [43970] Re: Crystal Matching
by "Marshall Emm" <mgemm@mtechnologies.com>
- 34) [43971] Re: Flame Bait 101
by "Rod Cerkoney" <rwc@frii.com>
- 35) [43972] QRP Moonbounce?!?! Phooie!
by "Paul R. Valko" <prvalko@oakland.edu>
- 36) [43973] Re: QRP Moonbounce?!?! Phooie!
by david fouchey <dafouchey@home.com>
- 37) [43974] Selectivity of the Hammarlund HQ-170 for CW
by jmarran@juno.com
- 38) [43975] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
by "Chuck Adams K5FO" <adams@ticnet.com>
- 39) [43976] DSW-20 initial review
by "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
- 40) [43977] Re: QRP "Miles-Per-Watt" World Record
by "Randy Jouett" <rules@bellsouth.net>
- 41) [43978] Red Hot NC-20
by Oscar A Hoyt <k5ubs@juno.com>
- 42) [43979] Help on SB3-DCP (by SBE)
by Tim Ahrens <tahrens@hilconet.com>
- 43) [43980] Zen of DLN

by Russ Garner <71544.1645@compuserve.com>
44) [43981] The Ramsey QRP series of Transmitters.....
by jmarran@juno.com
45) [43982] Re: 252 dB - QRP Moonbounce?!?! Phooie!
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
46) [43983] Wanted: Unbuilt Norcal Paddles
by james-rhonda@juno.com
47) [43984] TS-130V is Sold
by Bob Patten <n4bp@bc.seflin.org>
48) [43985] RE: How about a general coverage Rcvr.
by "Ed Tanton" <n4xy@att.net>
49) [43986] NEW RECORDER-NOT QRP
by ARDUJENSKI@aol.com
50) [43987] N4BP (+K4PG) Field Day 1B
by Bob Patten <n4bp@bc.seflin.org>
51) [43988] Re: QRP Moonbounce?!?! Phooie!
by "Robert P. Okas" <vintage@best.com>
52) [43989] Web site re-designed
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
53) [43990] Re: N4BP (+K4PG) Field Day 1B
by Don Lefrancois <wb1cdh@cwix.com>
54) [43991] NiMH batteries, charging &c
by Nils R Young <nilsbull@juno.com>
55) [43992] Re: Metal Working 101
by Michael Neverdosky <MichaelN@cycat.com>
56) [43993] Re: QRP Moonbounce?!?! Phooie!
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
57) [43994] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
by Michael Neverdosky <MichaelN@cycat.com>
58) [43995] Re: dBm
by Michael Neverdosky <MichaelN@cycat.com>
59) [43996] A QRP-L historical tidbit
by Mike Czuhajewski <wa8mcq@erols.com>
60) [43997] 3-day QRP-L digest site lives!
by David Maliniak <dmaliniak@penton.com>
61) [43998] Please check High Bands!!
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
62) [43999] The Ultimate Two Cent Transistor
by Bruce Kizerian <kizerian@ced.utah.edu>
63) [44000] ElmeRadio Level II
by Bruce Kizerian <kizerian@ced.utah.edu>
64) [44001] Re: The Ultimate Two Cent Transistor
by John Evans - N0HJ <jaevans@codenet.net>
65) [44002] One watt SSB
by Thomas Upton <stjohn@ocsnet.net>
66) [44003] RE: Please check High Bands!!
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
67) [44004] Re: Red Hot NC-20

by wd8civ@att.net

68) [44005] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
by "Ed Hare, W1RFI" <w1rfi@arrl.net>

69) [44006] Third World NC-20's ???
by John Evans - N0HJ <jaejans@codenet.net>

70) [44007] Re: general coverage receiver
by wd8civ@att.net

71) [44008] Re: NFL
by "Jeffrey L. L. Greer" <wd4et@juno.com>

72) [44009] Noise Bridge (MNB-01) and Mini-Circuits Group Buy
by John R Kirby <n3aaz-qrp@juno.com>

73) [44010] Re: dBm - answer to my question
by John R Kirby <n3aaz-qrp@juno.com>

74) [44011] Re: dBm - a valid way -try this -
by John R Kirby <n3aaz-qrp@juno.com>

75) [44012] Astron Power Supply Experience
by Bill Jones <kd7s@psnw.com>

76) [44013] Publish it!
by wd8civ@att.net

77) [44014] re:Collapsible antenna poles?
by "Michael Babineau" <michael.babineau@sympatico.ca>

78) [44015] Re: Publish it!
by Monte Stark <ku7y@dri.edu>

79) [44016] RE: FT-990 QRP
by "Alex Mendelsohn" <ai2q@ispchannel.com>

80) [44017] can someone help
by Scott Howell <whowell@hq.nasa.gov>

81) [44018] Re: dBm - answer to my question, oops a TYPO
by John R Kirby <n3aaz-qrp@juno.com>

82) [44019] PCB design software
by "Nathan Gordon" <nathang@bigfoot.com>

83) [44020] MI QRP 7/4 CW Sprint
by Buck Switzer <n8cqa@tir.com>

84) [44021] The Silver Lining...
by Chris Cartwright Sr <ccart@phideaux.com>

85) [44022] Re: Kanga Kits for QRP
by w4bws@juno.com

86) [44023] Re: Metal Working Advice Needed
by w4bws@juno.com

87) [44024] Re: Collapsible Masts
by w4bws@juno.com

88) [44025] Re: QRP Moonbounce?!?! Phooie!
by w4bws@juno.com

89) [44026] Moonlight Midnight Madness Mania Watch
by "Chuck Adams K5F0" <adams@ticnet.com>

90) [44027] K2 Backlog
by Theodore Wong <wong_th@eng.printronix.com>

91) [44028] copper clad laminate..

by sergio <sruiz@bright.net>
92) [44029] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
by Russ Dow <n7dw@garlic.com>
93) [44030] Re: Astron Power Supply Experience
by Russ Dow <n7dw@garlic.com>
94) [44031] Re: Publish it!
by "Chuck Adams K5F0" <adams@ticnet.com>
95) [44032] dead horse
by "Steve Sorrell" <ap036@detroit.freenet.org>
96) [44033] Re: Field Day Lessons
by "Bob Tellefsen" <n6wg@earthlink.net>
97) [44034] ARD vs SPICE
by "Bob Tellefsen" <n6wg@earthlink.net>
98) [44035] HW-8 Lights
by "Bob Tellefsen" <n6wg@earthlink.net>
99) [44036] Re: Collapsible Antenna Poles
by "Bob Tellefsen" <n6wg@earthlink.net>
100) [44037] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
by "Chuck Adams K5F0" <adams@ticnet.com>
101) [44038] IRN (Inefficient Radiator Night)
by Philip Karras <ke3fl@yahoo.com>
102) [44039] Re: Publish it!
by wd8civ@att.net
103) [44040] Re: Publish it!
by wd8civ@att.net
104) [44041] RE: K2 Order
by Jay & Jackie <jayboy@bendnet.com>
105) [44042] Re: Astron Power Supply Experience
by Bill Jones <kd7s@psnw.com>
106) [44043] Ft Tuthill Symposium
by Bob Hightower <ki7mn@extremezone.com>
107) [44044] Row boats and Battleships
by EBikales@aol.com
108) [44045] Re: Publish it!
by "Mike Czuhajewski" <wa8mcq@erols.com>
109) [44046] Happy Birthday Canada
by Fred Lesnick <flesnick@tbaytel.net>
110) [44047] RE: K2 Order
by Bob Hightower <ki7mn@extremezone.com>
111) [44048] Surprise Visiter
by "Steven Weber" <kd1jv@moose.ncia.net>
112) [44049] Re: NFL
by david fouchey <dafouchey@home.com>
113) [44050] Hobby Writing (was Publish it!)
by "Chuck Carpenter" <w5usj@globeco.net>
114) [44051] Re: Publish it!
by wd8civ@att.net
115) [44052] Re: Astron Power Supply Experience

by "Francis Callahan" <colcal@srv.net>

116) [44053] Antenna wire at Fair Radio
by Robspark@aol.com

117) [44054] Re: Publish it!
by Andy C Meng <andymeng@juno.com>

118) [44055] Row boats and Battleships -Reply
by "Bob Reynolds" <breynold@SIGG.COM>

119) [44056] Re: Row boats and Battleships
by Bill Jones <kd7s@psnw.com>

120) [44057] Row boats and Battleships
by EBikales@aol.com

121) [44058] MC68HC705C8P CMOS Keyer chip pre programmed
by "Glenn & Erin Maclean" <maclean@ix.netcom.com>

122) [44059] Re: Ft Tuthill Symposium
by "Paul Harden, NA5N" <na5n@rt66.com>

123) [44060] Re: DUMMY ME !!
by "Al Gritzmacher " <ae2t@localnet.com>

124) [44061] Re: Row boats and Battleships -Reply
by david fouchey <dafouchey@home.com>

125) [44062] RE: K2 Order
by "Andreas Junge" <andreas@atlttech.com>

126) [44063] Re: How about a general coverage Rcvr.
by "Carl Zmola" <zmola@campbellsci.com>

127) [44064] Remedial Metal Working :^)
by "Randy Jouett" <rules@bellsouth.net>

128) [44065] Capacitor Tests
by Bruce Kizerian <kizerian@ced.utah.edu>

129) [44066] Transister Question - Quickie!
by "Franco, Nicholas J" <franco@bnl.gov>

130) [44067] Re: Remedial Metal Working :^)
by wd8civ@att.net

131) [44068] [Kenwood] Fair price for matched 6146B's?
by Paul Erickson <paule@sfu.ca>

132) [44069] KI0AF new call
by mjfitz@uswest.net

133) [44070] Field Day at the Zuni Loop
by "Cam Hartford" <camqrp@cyberg8t.com>

134) [44071] Maritime Mobile QRP Installation
by FrConrad@aol.com

135) [44072] re: Publish It!
by Jeff Davis <jeff@jehosopha.com>

136) [44073] Calling QRP-L Lurkers (was Publish)
by "Paul Harden, NA5N" <na5n@rt66.com>

137) [44074] Even More Moon Trouble
by "Robert Roach" <KE4QOK@worldnet.att.net>

138) [44075] Re: QRP "Miles-Per-Watt" World Record
by "Randy Jouett" <rules@bellsouth.net>

139) [44076] German QRP Journal

by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Date: Wed, 30 Jun 1999 17:56:01 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43938] Re: Dummy Load Night
Message-ID: <015b01bec34c\$684d2690\$58e498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: 6/30/1999 3:43 PM
Subject: Re: Dummy Load Night

>
>
>On Wed, 30 Jun 1999, Phinizy, William wrote:
>
>> ..is it o.k. to used phased dummy loads for gain?
>>
>
>Yes, but notice that the phasing must be done to give
>you negative gain to cancel any RF that might have leaked
>out!
>
>Ron, KU7Y

Well, I tried it, Ron & William --- and, needless to say, I didn't
make one contact @ 2 watts output :^)

73

Randy Jouett, AB5NI

Date: Wed, 30 Jun 1999 19:04:53 -0400

From: "curt" <k3ivb@stargate.net>
To: <kf0ov@alltel.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43939] Re: Flame Bait 101
Message-ID: <007201bec34c\$f757a680\$5fb8a6d1@Curtk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I LOVE THIS GUY!! :-)

----- Original Message -----

From: Dan Copeland <kf0ov@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 30, 1999 6:48 PM
Subject: Re: Flame Bait 101

> I was talking to Burt Fisher today and I asked
> him why he did not support any ham organizations.
> He said that all the ARRL cared about was advertising
> dollars and that the QRP groups could not get their
> magazines out on time.
>
> OK I said, well what have you been up to? He said
> that he was building Spud Guns and selling them
> on Ebay. I said how is that working out? He said the
> only problem was he was trying to make them out
> of metal and needed some metal working advice.
> He was not sure if he could use Q dope to seal
> them or not.
>
> I asked him what radio he was using and he said
> an SGC-2020. He said it was prefect for the no code
> group, and that he was trying to write a unix control
> program since windows is such junk.
>
> :-)
>
>
>
>
> Dan Copeland N0DT
> kf0ov@alltel.net
>

> QCWA Webmaster* ARRL-life member*
> QRP-L 1004, ARCI - 9670, OHR-500
> <http://www.qcwa.org> | <http://www.dcopeland.com>
> "I want to die peacefully in my sleep like my grandfather,
> not screaming in terror like his passengers."

Date: Wed, 30 Jun 1999 18:20:11 -0500
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>
To: qrp-l@Lehigh.edu
Subject: [43940] DSW40 pic
Message-ID: <3.0.1.32.19990630182011.007b05d0@rouge.phys.lsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Actually got ~60 min undisturbed today to start a web page:

www.qsl.net/n5ib

pretty crummy looking page now and not much on it, but there is a pic of my DSW40 in the wood box. Also links to Baton Rouge Club and our local public observatory

It'll get better but very slowly.

72

Jim N5IB

Jim Giammanco, Instructor (504) 388-8278
LSU Department of Physics & Astronomy (504) 388-5855 fax
202 Nicholson Hall giamman@rouge.phys.lsu.edu
Baton Rouge, LA 70803-4001

Date: Wed, 30 Jun 1999 16:42:46 -0700
From: "ronald" <ronald@crl.com>
To: qrp-l@lehigh.edu
Subject: [43941] Re: Dummy Load Night - freq's?
Message-ID: <199906302342.QAA04288@mail.crl.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Regarding Dummy Load Night

>hello,
>I probably missed this, but is there a certain band that we should
>all be on
>for DLN?

I believe it is 11 meters.

Ron, KE6RS

Date: Wed, 30 Jun 1999 19:44:52 -0400
From: Russ Hines <radioruss@fuse.net>
To: neil@aaade.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43942] Re: dBm
Message-ID: <377AABF4.A78151BD@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Neil:

neil wrote:

>

> From an engineering point of view one MUST specify the impedance when
> talking about dbm as the number is meaningless without it.

Sorry to disagree, but the whole point in using dB, dBm, dBk, etc., is
that they are impedance independent.
As the man said, 5 watts is 5 watts. The impedance is necessary only if
you also need to know voltage or current.

Happy engineering.

73,
WB8ZCC

Date: Wed, 30 Jun 1999 16:54:15 -0700
From: Erin_Scott@gstworld.net
To: qrp-1@lehigh.edu
Subject: [43943] RE:Collapsible Masts
Message-ID: <882567A0.00835BFE.00@notes.gstworld.net>

Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

First thing first. It's good to be back on QRP-L I left for a year or so and have missed it greatly. Now to the meat if you will. I believe that the search for the perfect collapsible mast is the holy grail of the field operating ham. They are never (pick from list all that apply)

1. Tall enough
2. Light enough
3. Strong enough
4. Easily transportable when collapsed
5. All of the above.

I did some playing at the local Home Depot myself and noticed two things first of all the Schedule 80 PVC electrical conduit is really stout, also heavy (see #2 above), and in 10' lengths (see #4). I played with that for a while but abandoned the project when I found the "AB-1244" 30' antenna mast at Fair radio sales <http://www.fairradio.com>. It meets #'s 1,2,3 at about 80% and meets #4 at 100%.

FWIW I have found that 3", 2 1/2", 2", and 1 1/2" PVC conduit do nest really well maybe a guy could build a pneumatic tower....

Erin Scott KK7GE
Athol ID

>Where can I get a collapsable antenna pole like the ones used at Field
>Day?

>While at Home Depot, I saw electrical conduit in incrementing sizes from
>1/2" to 2" and wonder if anyone has attempted to build a collapsable
>system from scratch.

Date: Wed, 30 Jun 1999 17:16:32 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <Erin_Scott@gstworld.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>

Subject: [43944] RE: Collapsible Masts
Message-ID: <00c801bec356\$f8e7d7e0\$14ce21c7@tomcat.avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Amateur Electronics Supply sells a nice collapsible mast. There is an optional "park on" base and you park one of your car's tires on it and then insert the mast into the base.

Kory

> First thing first. It's good to be back on QRP-L I left for a
> year or so and
> have missed it greatly. Now to the meat if you will. I believe
> that the search
> for the perfect collapsible mast is the holy grail of the field
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> 3. Strong enough
> 4. Easily transportable when collapsed
> 5. All of the above.
>
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> abandoned the project when I found the "AB-1244" 30' antenna mast
> at Fair radio
> sales <http://www.fairradio.com>. It meets #'s 1,2,3 at about 80%
> and meets #4 at
> 100%.
>
> FWIW I have found that 3",2 1/2",2",and 1 1/2" PVC conduit do
> nest really well
> maybe a guy could build a pneumatic tower....
>
>
> Erin Scott KK7GE
> Athol ID
>
>
>

>
> >Where can I get a collapsable antenna pole like the ones used at Field
> >Day?
>
> >While at Home Depot, I saw electrical conduit in incrementing sizes from
> >1/2" to 2" and wonder if anyone has attempted to build a collapsable
> >system from scratch.
>
>
>

Date: Wed, 30 Jun 1999 17:17:19 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-l@Lehigh.edu
Subject: [43945] Re: [43817] Re: Water Bottle Throwing
Message-ID: <199907010017.RAA02668@netcom12.netcom.com>

In the new RSGB publication, -Technical Topics Scrapbook 1990 to 1994-, page 118 (from RadCom of November 1991), there's a drawing of a purpose-built catapult for getting a line over a tree branch. It would be pretty cheap and easy to put together, and might be perceived as less of a threat than most methods, while requiring less skill than doing it with a fishing pole.
It also has a clever release mechanism.
73, doug

Date: Wed, 30 Jun 1999 17:40:28 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [43946] More K2 rants &c
Message-ID: <19990630.174033.10798.0.nilsbull@juno.com>

Gang,

There are a bunch of people out there who are probably doing what I have been doing: enjoying the blue purple mongoose blazes out of their recently constructed K2s. Mine's been up and running for something like two days now (which is another story), but the real trip is all the neat stuff that's packed into that little box.

This is particularly true if the people who have built or have been building their K2 actually read the instructions more than once, and paid close attention to details like where to plug the counter probe into on

the control board, which is another literacy thing.

Stupid gringos like me, on the other hand, may have been or are now diligently checking each resistor & eyeballing all that tiny type on the capacitors, but still can't read the instructions, no matter how clearly written, about where the frequency counter probe plugs into the control board. Or they're bending the leads on chokes & breaking the innards, which whining & kvetsching I have already done here.

But what bugs me most is that while I was sitting with my stitches in a converted outhouse on an uncomfortable metal stool making all my well-placed & careful mistakes, there were two African stations on 17 meters just sittin' there rollin' out the Qs. I mean, that's another 1k miles per watt, don'tcha think.

And now it's like everybody's got cotton in their ears.

So hey, what am I gonna do with all those message memories? Man, I can't even keep two thoughts about where I put one set of keys straight in my head! And now I have to remember all those messages? Jeesh!

Live's ruff for us stupid gringos, ain't it?

Oh, yeah. I was talking with one of the guys at work who is also a ham & who also worked at Drake about this radio. With the three options that I bought for mine, I spent about \$700. It took me about 35 hours to put together, which would be > \$350 in labor, and another (we won't say exactly how much) time to fix all my mistakes, which would be more labor cash. And then there's alignment & test & burn-in.

Now from my experience working at Drake, that's a bunch of people spread out across the shop floor, each doing little bits that end up being 20 radios a day falling off the end of the test bench. And we all remember how much Drake radios cost (and still do at flea markets), don't we?

I figure that I got more that \$700 worth of radio, even if I did build it myself & then had to figure out what I'd put where & why I forgot everything I knew about trouble-shooting & signal tracing, which is another embarasssing story to be saved for some dark night around the tribal fire when I'm closing in on the estate auction.

You who are building or getting ready to: pay attention. You'll love the radio when it's done & workin' good.

You who have built, well . . . you know what I mean.

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich
McTovarishov

Get the Internet just the way you want it.
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 30 Jun 1999 17:34:21 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [43947] Field Day with milliwatts
Message-ID: <19990701003421.28363.rocketmail@web706.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Band conditioins for Field Day 1999 were better than
the past few weeks & months. With 15M opening early
and stayed open into saturday evening. But boy did it
crash about 18:00Z on sunday!
Ten meters was just barely open saturday, but not on
sunday to speak of.
The 20M band was available both days here in Arkansas.
But most of my contacts were on 15M.

My total QSO's for both days was 58. My equipment was
the Index Labs QRP+ & Oak Hills QRP wattmeter. The
15/10M antenna is a 2 ele quad at 70' with the rotor
not working. On 20M my half square at 20' does all the
work. I was able to operate off and on both days, and
just a little saturday evening.

Contests like this are prime for milliwatt action, and
I gave it a good try. In my milliwatt Worked All
States effort I picked up 4 new states, IL, IN, SC,
and RI.

I got IL with 17mW, IN with 33mW, SC with 28mW and RI
took 100mW. The 4 new states "cost" me a total of
178mW. I tried and tried getting RI with less power
but had to turn up the power to 100mW in the end.

Also considerably reduced my WASTP (worked all states total points) as I added the new states!

I now stand at 41 states with total power of 1.179 watts. Before field day I stood at 37 states at about 1.4 watts.

This weekend I used the most power for a new state, RI with 100mW. Useing 100mW for one state is a bit "piggy" but I was able to reduce power on some other states. For example my previous power "spent" for VA was 70mW, but I was able to pick up a VA Field Day stn with 17mW. Also trimmed was MI from 70 to 33mW, MA from 50 to 25mW, CT from 45 to 28mW, TN from 40 to 28mW, WI from 40 to 33mW, MN from 40 to 28mW, and NJ from 32 to 25mW.

I feel sure that by the end of 1999 I can get all 50 states with less than 1 watt.

72/71's de Jim KJ5TF AR QRP #2

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 30 Jun 1999 20:51:58 -0400
From: "Larry Przyborowski" <lprzybski@erols.com>
To: <n3fel@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43948] Re: Collapsible antenna poles?
Message-ID: <00d801bec35b\$ee3a7000\$f1faaccf@k3peg>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Where can I get a collapsable antenna pole like the ones used at Field
> Day?

>

> Please advise,

> Howard, N3FEL

>

Hi Howard. If there's a Lowes home center near you, they sell a collapsible

mast abt 30 feet high extended.

I believe it's less than \$40. It's made of steel in three sections with guy rings on it too... Will check on the actual price/part number and get more info to post soon.

73, Larry K3PEG -.-

Date: Wed, 30 Jun 1999 21:00:58 -0400
From: "Tom H" <hybiske@generalatronics.com>
To: <Erin_Scott@gstworld.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43949] RE:Collapsible Masts
Message-ID: <010201bec35d\$2f4b6e40\$254accd1@hybiske>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

.....
> have missed it greatly. Now to the meat if you will. I believe that the search
> for the perfect collapsible mast is the holy grail of the field operating ham.
> They are never (pick from list all that apply)
> 1.Tall enough
> 2.Light enough
> 3. Strong enough
> 4. Easily transportable when collapsed
> 5. All of the above.
>

If this isn't the holy grail of collapsible mast, it's gotta be pretty close:

- 1) Tall enough >> 33 ft.
- 2) Light enough>> 3.3 lbs.
- 3) Strong enough>> UV resistant , reinforced
- 4) transportable>> How's 3.8 feet sound?

Price not bad at a hundred bucks.

I saw it at Dayton this year where it was a real hit. Wish I had picked one up myself. Check it out at <http://www.qsl.net/dk9sq/fibregle.htm>

Date: Wed, 30 Jun 1999 19:00:34 -0500
From: pierce@rice.edu (George F. Pierce)
To: qrp-1@lehigh.edu
Subject: [43950] How about a general coverage Rcvr.
Message-ID: <v01510119b3a05344e8f9@[128.42.176.139]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There was some discussion among a small group (two QRP Hall of Famers and a probable future member) I was privileged to have lunch with at HamCom, as to what the great next kit might be. Since my companions were the sort that actually make things like this happen, while I watch from the sidelines, I didn't press my case.

So here's the "Kit I'd Like to See". A General Coverage Receiver. The design would be a modest superhet suitable for a boy's/girl's first radio. It would fit in the place that the Heathkit AR3 did for so many of us. It should not be particularly small so as to make the parts far enough apart for the beginning solderer. It should have a large vernier analog dial suitable for young hands and old eyes. It should be as up to date technically as possible with the latest IC's etc. As much as possible it should be wireless (K2 style) with controls, switches, jacks, etc. directly mounted to a single pc board. Simple audio filtering to aid in selectivity is a must while allowing as much AM fidelity for SW broadcasts as practical. I'd suggest the standard 1.8 to 30 Mhz range. Power should come from internal batteries ranging from AA cells to a small gel cell. I would not include a case so as to allow some customization of appearance.

Folks, I'm 53 and I was in the younger third of the QRPers at HamCom. The QRP community commendably put the third world on 20 meters, why shouldn't that same community make a first radio for youngsters/beginners. How about a reasonably easy kit radio to introduce the magic of short waves the younger people our hobby needs.

George F. Pierce III
WA5ABS M0BOD
Email: pierce@rice.edu

Date: Wed, 30 Jun 1999 21:06:03 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>,

Bill Cole <billc@dandy.net>, Dave Marshall <n8oay@sprintmail.com>,
Don Schimmel <dwschiml@intrepid.net>, Ed Muro <kc2ayc@banet.net>, John
McColman <jmccolma@richmond.infi.net>, Jon Cohen <jon@pluto.njcc.com>,
Subject: [43951] Flashback
Message-ID: <377ABEFB.4DAA8EEA@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well...something occured today that hasn't happened to me in over twenty
years. Something I NEVER thought would ever happen again. A box marked
HEATHKIT arrived at my door this afternoon. I had located a New Old
Stock HW-9A bandpack kit (by the way, thanks to all the folks who
directed me and offered kits to me) The box was shipped to me just like
it would have been so long ago. I just sort of sat on my stoop and
hugged it for a couple of minutes. I was transported to a world where I
held a Novice class ticket and everything was new in the world of Ham
Radio. Is this a great hobby or what???

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 30 Jun 1999 21:09:40 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [43952] Re: FD 99 -DON'T DO's
Message-ID: <377ABFD4.2F057464@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

5. Don't have a sister who's sewer pipes go bad at 2:00 PM EDT on June
26th. Oh well.. I got to help set up the antennas anyway.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 30 Jun 1999 21:06:01 -0400
From: Andy C Meng <andymeng@juno.com>
To: qrp-l@lehigh.edu
Subject: [43953] tower paint FD
Message-ID: <19990630.210721.18342.0.andymeng@juno.com>

I was given about 100 feet of used tower. Some parts of the sections are badly rusted, and in need of paint. What kind of paint is good for towers? What about guying? I putting it up next to the house with four brackets to attach it. Above the house we are going to guy it. I want to attach two of the guy wires to the peak of the roof. Is this OK? this is what the previous owner did and he said it worked fine. I am planning to pound a 10 ft long 3/4 inch diameter copper plumbing pipe into the ground at the base of the tower. I'm going to have a switching system on the tower so I can just have one coax coming in. I will have an arc gap arrestor on this, and be able to tie the coax to ground outside the house. I could also have the relays at the top tie the unused antennas to the tower.

I just read the "killer groundplane" antenna article in QST. His results seem a little extraordinary. Could this be fed with 50ohm coax (only one band of course)?

I operated or at least tried to during field day. I was listening for 4 or 5 hrs but I only got 12 QSO's. I was using the sw40+ into dipole at home. It was on batteries. I heard a couple AZ stations on Sunday morning. On some of contacts the guy on the other end didn't slow down enough, so I had to stick around awhile. Most of that is because I often go too fast on my straight key. Does anyone have a pinout for an MC3392? I need it to get the keyer going. I couldn't find it on the internet. Anyway, I can't even describe how amazed I was at the band. Once on Sat night about midnight, all of a sudden the condx

must have jumped, cause it just started sounding like a steady noise from one end of my dial to the other (about 7015-7052), except for the stronger stations.

I didnt call CQ (no room), and I think that the filter on the sw40 is not adequate for condx like that. I could typically hear about 3-5 stations. Once you start concentrating on a signal the rest seem to fade right out. The brain is an amazing audio filter.

Andy KC8KFI

QRP-L #1813 Cincinnati, OH Total HF CW QRP contacts: 24

e-mail: andymeng@juno.com URL: <http://www.qsl.net/kc8kfi/>

SW-40+ running a watt or two into a Dipole at 24ft. and straight key

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 01 Jul 1999 01:14:15 GMT

From: mwattcpa@earthlink.net (Marty Watt)

To: qrp-l@lehigh.edu

Subject: [43954] FS: NorCal K8FF paddles

Message-ID: <377abed9.114429849@mail.earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: quoted-printable

Content-Transfer-Encoding: quoted-printable

OK, I found the party that was looking, and they were only looking to = trade

wide arms for narrow ones -- and see Chuck, K5F0, if you have narrow arms= to trade.

My purposes were a bit different. I've had my heart stolen by some Kent paddles. I have two K8FF paddles, one wide and one narrow, both are semi-finished. That means, they are assembled, the bases are painted = (one a

nice auto-finish glossy black, the other probably needs to be stripped =
and
redone), but the fingerpieces are NOT finished. The brass could use a =
shine
as well.

I'll sell both for \$90. I don't think I want to separate them at the =
moment.

Will trade them, plus some cash, for a set of Kent paddles.

Let me know off-line.

--

72 es 73 de Marty, N5NW (x-KM7W, KN4BH, N4UYT)

-----=

Memphis, Tennessee =

<http://home.earthlink.net/~mwattcpa>

VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce

CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"

Member -- Tennessee Contest Group

Date: Thu, 01 Jul 1999 11:20:40 +1000
From: "Ian C. Purdie" <purdic@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43955] VK2TIP has modem back
Message-ID: <377AC268.A8271C1A@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Alert readers will note from the subject line that YT, Ian Purdie, after
holding an Australian Amateur Operators Certificate of Proficiency
(Limited) for 9 years and 11 days has finally - thanks to the incentive
of this group - applied for and received his licence this day. I yam
officially VK2TIP. Now I need to work more on the cw bit.

BTW how do I amend my QRP-L record to reflect new status in community?.

Second point, I sent modem back to mfr as suggested, mostly with fingers
etc. crossed because well out of warranty.

A replacement modem arrived today with letter stating:

"we were able to replicate the fault you described and the modem does appear faulty....please find enclosed replacement modem"

I didn't mention lightning strike but what fantastic service! Folks that was Dynalink Australia. Also downloads seem to be 65% faster now as well - bonus.

<http://www.dynalink.com.au>

I think any firm that stands by their product like that thoroughly deserves a "wrap".

Meanwhile back to 674 unread emails.

73's

Ian
VK2TIP

Date: Wed, 30 Jun 1999 21:33:44 -0400
From: "BC" <bcrow@powerlink.net>
To: <artm@t-com.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43956] Re: NFL
Message-ID: <02a201bec361\$c2343d00\$84c59ad0@0f9dh>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks for the clarification on "NFL." I was already to tell you about the New England Patriots. They are often operating at low output!

72/73 de Bill, K1NIT

-----Original Message-----
From: Art Marshall <artm@t-com.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Wednesday, June 30, 1999 8:24 AM
Subject: NFL

>Hiya.....

>

>CAAn anyone tell me if there is a QRP group in NFL (Northern Florida).

>Jacksonville and west into the Florida panhandle ??

>tk's, 73 Art w1fji

>

>

>

Date: Wed, 30 Jun 1999 18:53:52 -0600

From: tom whalen <wb5qyt@eFortress.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [43957] Homebrew mast holder

Message-ID: <377ABC20.4770@eFortress.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

QRPer's!

I built a homebrew mast holder for when I go mobile and no trees around for miles. The unit sits under one of your vehicle tires and is very strong. During the last VHF contest I used a 20' push up mast on the holder. It was strong enough to support my 3 ele 6m beam and 2 m beam. I would not be afraid to put a small hf beam on this assembly.

The base is made out of 3/4 in plywood. One could use 1x stock whatever is on hand. Just make sure its wide enough so you tires can sit on it. My base is made of 2 layers of 3/4" plywood to assure good strength. Measures 14"x24". On one end, you attach with 4 nuts and bolts, a 1" pipe flange, available at any hardware store. Make sure the bottom of the bolts are flush with the bottom of the wood base unit. You then have a choice of what length of pipe to use for the support pipe. I used 1"x12" pipe. Works FB with the push up masts. One can use a bigger or smaller pipe dia. to suit ones needs for their particular mast requirements.

BTW: I think I got this idea out of an old "Hints and Kinks". Thought some of you might be interested since the "Mast" posts have been frequent.

72, Tom WB5QYT...." Have bug will travel!"

Date: Wed, 30 Jun 1999 20:33:09 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43958] QRP "Miles-Per-Watt" World Record
Message-ID: <000201bec362\$b5ea8710\$0be498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ok, folks. This coming weekend, I'm going to go over to Pat's (W5WMU) contest station and try to break the miles-per-watt record. Basically, I'll have "GODLY" antennas to chose from, including a 3-element, 40-mtr stacked array at something like 160 feet; a 3-by-3 vertical stack on 40 (not sure of the height); and multi-element stacks on 20, 15, and 10 from around 100-to-150 feet (or somewhere along those lines) on a twenty-acre antenna farm. WHEW! :^)

Anywho, what I want to know is this: what's the current record, including power-output, distance, etc. Should I have multiple witnesses, take a video of my contacts, etc? What kinda measurement devices should I use? Is a scope measuring RF output good enough?

I'm thinking about using 7.040, 14.040, 21.040, and 28.040 as calling frequencies. If anyone wants to setup a sked, just let me know. I'll work anyone that answers my call, be it state-side or DX :^). I'll prolly start out at 500mw, establish a contact, drop down to 10mw, and if they can copy at that level, I'll give 1mw at "try." :^) BTW, I'll be signing W5WMU. It's his station, after all :^).

Any help will be appreciated!!

Date: Wed, 30 Jun 1999 20:59:10 -0500
From: jmbrown@edge.net (JERRY BROWN)
To: qrp-1@Lehigh.EDU
Subject: [43959] Re: How about a general coverage Rcvr.
Message-ID: <377ACB6E.1833@edge.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

DITTO!!!

I've still got the Heathkit AR-3 I built in 1960 on my bookshelf!
The magic of shortwave was initially not ham radio for me. I really enjoyed the many armchair adventures I had with this simple superhet. Even have a QSL from a Sputnik circa 1961 from the era when they would xmit on 20 mHz.

Hearing ZL1BE transmitting on SSB with a rhombic antenna from Hastings, New Zealand got me hooked on wanting to get the ham ticket.

Then there came the CW practice. I can't remember the times I heard KP4BBN calling CQ on 15 meters and I couldn't answer him.

Won't it be tough to get the performance of Sony ICF-7600G in an under \$200 package though?

Then there's the idea that there could be a receiver that left room inside on the PC board to be made into a QRP xcvr for a few bands at a later date.

Sign me up for one.

Jerry N4EO (ex-ZL0AAQ, ZL0AHM, VK2EOB, XE1/, VE/)

Date: Wed, 30 Jun 1999 20:09:06 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [43960] Re: FD 99 -DON'T DO's
Message-ID: <Pine.SUN.4.10.9906302002150.24481-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Skip Arey, N2EI wrote:

> 5. Don't have a sister who's sewer pipes go bad at 2:00 PM EDT on June
> 26th. Oh well.. I got to help set up the antennas anyway.
> --
> ++++++

6. Don't set up in a municipal park where the industrial strength automatic sprinkler system comes on at 3am!
Been there, done that :-)

72, Paul NA5N

Date: Wed, 30 Jun 1999 22:06:20 EDT
From: PGSPersEng@aol.com
To: qrp-l@lehigh.edu
Subject: [43961] re: FT-990 QRP
Message-ID: <e8691bb.24ac271c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jay,

There's no external adjustment to drop power below 10W on the FT-990.

I do have a tech note from Yeasu that shows an internal mod that drops power down. It involves soldering a shunt resistor around a surface-mount chip. Sounds tough, really isn't. If I can do it, anybody can.

If you'd like me to photocopy or fax the tech report (1 page? 2 pages max), let me know.

Paul, AA1MI
Rye, NH
aa1mi@ARRL.net
QRP-L #360

Date: Wed, 30 Jun 1999 22:30:58 -0400
From: Radioham <radioham@erols.com>
To: rules@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43962] Re: QRP "Miles-Per-Watt" World Record
Message-ID: <377AD2E2.743742EC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK folks, you asked, and, according to the official QRP ARCI Records, kept in the deepest of vaults guarded by starving mountain lions, the QRP ARCI record is.....(drumroll).....

218,333,333 miles for a 2 way QRP contact, made on October 25, 1989, between K7IRK, running 6uW and WA6YPE, at 5 watts, on 28MHz, over a 1,310 mile path. No one is close to that. Meets anyone's rule for real communications - not around the block. CW, of course.

So go for it Randy, but you better have plenty of attenuation to beat this one.

GL & 72/73,

Steve, N4EUK
QRP ARCI Awards Manager

Date: Wed, 30 Jun 1999 22:32:49 -0400
From: "Frank Matthews" <fmathews@pilot.infi.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [43963] Crystal Matching
Message-ID: <006901bec36a\$04247380\$c70b61d1@fmathews>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow QRP-L'ers

I recently received a kit (SST from Wilderness Radio) that listed the necessary parts in the event I wanted to change the operating frequency to another band. The specifications for the crystals was given along with the word "matched".

Question: How does one "match" crystals, what tools/equipment are needed, and what is the procedure?

Thanks and 72,

Frank

Date: Wed, 30 Jun 1999 21:34:56 -0500
From: John Sullivan <kg0mz@southwind.net>
To: qrp-1@lehigh.edu
Subject: [43964] qrp-1 cd, another source
Message-ID: <377AD3CF.55440727@southwind.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am tardy making this known. Sorry. Chuck sent the master before I spent a week biking across Kansas (I can explain), a week doing budget presentations, and a week I can't account for.

So if you are looking for a copy of this excellent cd let me know. This is a _must have_. I edited the filename(s) that needed editing.

Ready to burn. I think I am going to the PHD hamfest in KC and can save you the postage if you are headed that way.

Give me a shout if you need a copy of the cd.

72 de kg0mz in wichita

Date: Wed, 30 Jun 1999 22:49:33 -0400
From: david fouchey <dafouchey@home.com>
To: radioham@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43965] Re: QRP "Miles-Per-Watt" World Record
Message-ID: <377AD73D.6CDDA941@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just curious what the Moon bounce record is for Miles/watt....

Dave
WA4EMR

Radioham wrote:

>
> OK folks, you asked, and, according to the official QRP ARCI Records,
> kept in the deepest of vaults guarded by starving mountain lions, the
> QRP ARCI record is.....(drumroll).....
>
> 218,333,333 miles for a 2 way QRP contact, made on October 25, 1989,
> between K7IRK, running 6uW and WA6YPE, at 5 watts, on 28MHz, over a
> 1,310 mile path. No one is close to that. Meets anyone's rule for real
> communications - not around the block. CW, of course.
>
> So go for it Randy, but you better have plenty of attenuation to beat
> this one.
>
> GL & 72/73,
>
> Steve, N4EUK
> QRP ARCI Awards Manager

Date: Thu, 1 Jul 1999 15:06:39 +1200
From: barry kirkwood <bjk@ihug.co.nz>
To: qrp-l@Lehigh.EDU
Subject: [43966] general coverage receiver
Message-ID: <199907010306.PAA12049@smtp2.ihug.co.nz>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just a thought:

There are some interesting "rx on a chip" around. The one I am familiar with is the ?obsolescent ? Siemens TCA440. I believe there are later Signetics/Philips jobs that may be superior.

TCA is a serious radio chip: balanced mixer, sophisticated sinking diode agc. Limitation is that IF line has upper freq limit around 500kHz. Chip does all active things up to the detector.

Thinking out loud: use with 455 if but make upper freq limit, say 15mHz before images get tooo bad....

This assuming trad technology for oscillator coils etc.

Could be inexpensive, low parts count.

73

Baz

end

Barry (Baz) Kirkwood PhD ZL1DD ex ZL1BN, ZL40K etc

Signal Hill

66 Cory Road

Palm Beach

Waiheke Island 1240
NEW ZEALAND
www.waiheke.co.nz/signal.htm
Ph/Fax 64-9-372-5161

Date: Wed, 30 Jun 1999 23:31:52 -0400
From: Radioham <radioham@erols.com>
To: david fouchey <dafouchey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43967] Moonbounce QRP "Miles-Per-Watt" QSOs
Message-ID: <377AE128.EDFEC037@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> I do not have that information available. None of the records appear to
> indicate if a QSO was done by moonbounce. Chuck, K5F0, was the Awards
> Manager prior to me and he might have an idea if there is any annotation to
> indicate that. I know there have been no applications for such an award
> since Jan 1999.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
www.qrparci.org

Date: Wed, 30 Jun 1999 23:37:43 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: Michael Bower <bowerm@ix.netcom.com>
Cc: qrp-l@lehigh.edu
Subject: [43968] Re: rig for novice then general
Message-ID: <4.1.19990630224259.0094cf10@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 06:41 AM 06/30/1999 -0500, you wrote:
>Quoting Michael Bower (bowerm@ix.netcom.com) [990630 06:47]:
>> Right now I am still going to have to operate in the Novice bands.
>> Is there a QRP rig (pre-built or kit) that I can get in the Novice bands

>> and work now then convert (easily) to the general bands?
>> (If I get a mono-bander, I would probably head for a 40 meter rig.)
>
>Michael,
>
>I'd suggest you look at the DSW-40 being offered by Small Wonder Labs.
>It is the only mono-band kit I have found that covers from 7.000 to
>7.150 without modification.
>
>----- SNIP -----
>
>
> <http://www.smallwonderlabs.com/>
>
>--
>72 de Jeff, N9AVG

Michael & Jeff:

The DSW40 is an excellent recommendation, but there certainly is another monoband kit that covers the entire 40M cw band - the EMTECH NW-40. In fact, I decided to buy one a few years ago just because of that.

They are great radios: hot receiver, very stable, RIT, lots of audio, variable crystal filter, and can be turned up to 6-7 watts (though I can't imagine anyone doing so.) High quality components and easy construction. Nice case, too. Band coverage is 7000 - 7200 KHz. I'll never part with it.

Check out their web site at <http://emtech.steadynet.com/emtech2.htm>

Rick - W4SEA
High Point, NC

Date: Wed, 30 Jun 1999 23:42:42 -0400
From: david fouchey <dafouchey@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43969] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
Message-ID: <377AE3B2.F1DD09DB@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It just kind of piqued my interest when the whole subject of miles/watt

came up.

Not that I have ever even attempted moon bounce, it just seemed like a "natural" for the Miles/Watt venture..

Dave
WA4EMR

Radioham wrote:

>
> > I do not have that information available. None of the records appear to
> > indicate if a QSO was done by moonbounce. Chuck, K5F0, was the Awards
> > Manager prior to me and he might have an idea if there is any annotation to
> > indicate that. I know there have been no applications for such an award
> > since Jan 1999.
>
> 72/73,
>
> Steve, N4EUK
> QRP ARCI Awards Manager
> www.qrparci.org

Date: Wed, 30 Jun 1999 22:01:31 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: fmathews@pilot.infi.net, qrp-1@lehigh.edu
Subject: [43970] Re: Crystal Matching
Message-ID: <199907010359.VAA00555@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi, Frank, Gang--

>>Question: How does one "match" crystals, what tools/equipment are
needed, and what is the procedure?<<

I have to match literally hundreds of crystals for the Oak Hills kits-- you can buy them matched within "parts per million" specs but it adds a lot to the cost so we go with "reasonably" close and hand match them.

We use a "crystal tester" which was in QRP Classics, and is really just a simple little one transistor Hartley oscillator. We look at the output on the scope and discard any that aren't modulating or are weak. Then we look at the frequency counter and set them into piles that are within a few Hz of the same frequency.

There are several tester circuits around, and I have also been playing with the one in the GQRP Club's Six Pack. It has an led which is triggered by a diode detector and is adequate proof of functionality. It also has a "tap" for a frequency counter, which will work with the OHR DD1 Digital Dial / Counter.

If you don't have a counter, and know what you are doing, you can listen for the fundamental signal on a receiver. Depending on the receiver you can get pretty accurate. For example, my FT920 has a little "center frequency display" for received CW signals, and you can see whether the received signal is above or below the "center" frequency and by how much. Or you can do it by ear. You can also use the received signal strength as an indication of performance.

Hope this helps.

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
--

Date: Wed, 30 Jun 1999 22:13:46 -0600
From: "Rod Cerkoney" <rwc@frii.com>
To: <kf0ov@alltel.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43971] Re: Flame Bait 101
Message-ID: <009e01bec378\$54041c80\$468711d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

LOL!

Finally stopped laughing enough to get off the floor & say thanks for the good laugh!

tu & 72, Rod, n0rc--with tears stream down his cheeks

----- Original Message -----

From: Dan Copeland <kf0ov@alltel.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, June 30, 1999 4:48 PM
Subject: Re: Flame Bait 101

> I was talking to Burt Fisher today and I asked
> him why he did not support any ham organizations.
...

Date: Thu, 1 Jul 1999 00:17:50 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Radioham <radioham@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43972] QRP Moonbounce?!?! Phooie!
Message-ID: <Pine.OSF.3.95.990701000334.5019B-1000000@saturn1.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 30 Jun 1999, Radioham wrote:

> > I do not have that information available. None of the records appear to
> > indicate if a QSO was done by moonbounce.

Let me do something so wacky, it could only be done by W8KC... I'm gonna go out on a limb here and say two things:

- 1) There has never been a QRP Moonbounce QSO.
- 2) There never WILL be, a QRP Moonbounce QSO.

Perhaps I should sponsor a trophy? Hmmmmmmmm... the W8KC Trophy? The Valko Cup? C'mon people I'm working alone up here, somebody throw me a bone.

Oh... a typical EME contact, at least ONE station runs 1,500 watts (plus or minus a couple thousand, usually plus) $250,000\text{mi}/1,500\text{W} = 166\text{Mi/W}$

IF someone makes the so-called "single yagi" EME contact at 160W, that equates to 1562 Miles per Watt. They generally are working W5UN or VE3ONT, both of which have H-U-G-E amplifiers and parabolic dish antennae.

You need to overcome 200 Db of path loss in an EME contact.

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Thu, 01 Jul 1999 00:21:59 -0400
From: david fouchey <dafouchey@home.com>
To: prvalko@oakland.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43973] Re: QRP Moonbounce?!?! Phooie!
Message-ID: <377AECE7.784655F@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Party pooper Paul! I wondered about that, wasn't there an experimental
Laser moon bounce communications test a while back? Wonder what the
power output of that one was...

That IS one hell of a loss budget to over come for sure...

Dave
WA4EMR

"Paul R. Valko" wrote:

>
> On Wed, 30 Jun 1999, Radioham wrote:
>
> > I do not have that information available. None of the records appear to
> > indicate if a QSO was done by moonbounce.
>
> Let me do something so wacky, it could only be done by W8KC... I'm gonna
> go out on a limb here and say two things:
>
> 1) There has never been a QRP Moonbounce QSO.
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>
> Perhaps I should sponsor a trophy? Hmmmmmmmm... the W8KC Trophy? The
> Valko Cup? C'mon people I'm working alone up here, somebody throw me a
> bone.
>
> Oh... a typical EME contact, at least ONE station runs 1,500 watts (plus

> or minus a couple thousand, usually plus) 250,000mi/1,500W = 166Mi/W
>
> IF someone makes the so-called "single yagi" EME contact at 160W, that
> equates to 1562 Miles per Watt. They generally are working W5UN or
> VE3ONT, both of which have H-U-G-E amplifiers and parabolic dish antennae.
>
> You need to overcome 200 Db of path loss in an EME contact.
>
> 73! =paul= W8KC
> Collector of Ten-Tecs and other fine plastics
> <<http://www.acs.oakland.edu/~prvalko>>

Date: Thu, 1 Jul 1999 00:20:34 -0400
From: jmarran@juno.com
To: qrp-1@lehigh.edu
Subject: [43974] Selectivity of the Hammarlund HQ-170 for CW
Message-ID: <19990701.002516.-412663.2.JMarran@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all!

Well, firstly, this radio is a wonderful rig to use, due in part to its simple design of the front panel. It is so well laid out that it doesn't take long to master each feature. The other aspect of this radio's greatness is its almost continuously variable filtering. You can have a bandwidth as wide as 6KC or as narrow as a few hertz. This, if you are up to date with new Yaesu technology, is the same thing offered by the 1000MP! And this radio accomplished this in 1958. I love the HQ-170 for CW/QRP work. It really is a flexible RX. If you can get one, and if the spirit moves you to do so, try it....you might be REALLY surprised.

72

John KB2HSH

Date: Wed, 30 Jun 1999 23:25:20 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: radioham@erols.com
Cc: qrp-1@lehigh.edu
Subject: [43975] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
Message-ID: <E10zXJz-0007gj-00@pop3.ticnet.com>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Steve et.al.,

There were no awards for moonbounce. From what I have read and seen it takes appreciable power to start out with.

In the past if you started out with more than 5W then you did not qualify for the 1,000 mi/watt award as you were no longer QRP. Now don't start in on me or Steve on this, please. It is the way it has been done and Steve is free to change it anyway he sees fit..... but QRP ARCI does mean QRP.

Going back to the physics of the process of moonbounce. You have an object some considerable distance away that is not perfectly conducting and you wanna bounce electromagnetic energy off the surface (which is fairly rough by the way) and then be able to hear the reflected signal back at the starting point.

Did you know at 1.13GHz the earth almost acts like a perfect dielectric?

I remember Gerald at Texas Towers telling me one day that he had done moonbounce QRP but I didn't ever get any particulars on just how he did it. Probably with one very large dish and unusual conditions are required. Next time I'm in there I'll ask him.

Maybe someone in this group can check with the people at the largest dish in the world in PR and find out if they have tried this little experiment.

And I know it is a full moon now.... :-)

Funny how these things work out. I was sitting down with Jackson's E&M book some 30mins ago working out the Poynting Vector for an isotropic RF source at 7.040MHz at 1.0000W. With a quarter-wave dipole antenna and with a receiver sensitivity of 0.25uV, what is the maximum distance in free space from the isotropic source that

you can hear the signal. :-) ;-) This for a problem in a book that I'm doing..... An exercise in the wonderful world of magical communications without an ethernet cable or modem.....

And there is no ERP factor to work out. :-) And what is the ERP for a satellite dish??? ;-)

FYI es dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Thu, 1 Jul 1999 00:29:44 -0400
From: "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
To: "'qrp-l'" <qrp-l@lehigh.EDU>
Subject: [43976] DSW-20 initial review
Message-ID: <01BEC358.F18DE820@default>

Gang,

I finished my DSW20 today, a very easy build, almost too easy. I'm not what you would call an experienced builder but have done an NW40 and a few keyers, ticks and K10. The DSW came right up and I had no problem setting the beat note with the sidetone. Peaking the rf can is nada and u are on the air. I found I had quite a click in the head phones with the built in keyer but as soon as I put it in the straight key mode and used the K10 keyer that went away. Power output doesn't seem what it should be, but the only meter I have is the forward pwr in an MFJ tuner - will check it tomorrow with W3PNL's WM-2. All this done while the rig is laid out on a bench, no enclosure and still need to ground all the control bodies. The AFA is terrific and I really like the tuning. The 500 Hz (nominal) bandwidth is a little wide for my liking and I might add an APF mod in the future. First contacts while it laid on the bench were WA200D in CO and LY2EM in of course, LY land. If the MFJ is to be believed, this isn't bad for 500 mw to a 270' loop up 45'. Build time for me was approx. 8 hrs, including inventory and checking each resistor because I'm color blind.

I really like this rig and am envisioning 3 of them stacked in one enclosure. Yeh, yeh, that's the ticket, a DSW multibander.

72 de N3YSI
Paul in Quakertown, PA

Date: Wed, 30 Jun 1999 23:32:23 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <radioham@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43977] Re: QRP "Miles-Per-Watt" World Record
Message-ID: <005101bec37b\$1bd63750\$0be498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Radioham <radioham@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: 6/30/1999 9:34 PM
Subject: Re: QRP "Miles-Per-Watt" World Record

>OK folks, you asked, and, according to the official QRP ARCI Records,
>kept in the deepest of vaults guarded by starving mountain lions, the
>QRP ARCI record is.....(drumroll).....
>
>218,333,333 miles for a 2 way QRP contact, made on October 25, 1989,
>between K7IRK, running 6uW and WA6YPE, at 5 watts, on 28MHz, over a
>1,310 mile path. No one is close to that. Meets anyone's rule for real
>communications - not around the block. CW, of course.
>
>So go for it Randy, but you better have plenty of attenuation to beat
>this one.

Thanks for the info, Steve! I'll be working on the step attenuator
tomorrow :^). Will prolly use OHR Spirit2 on 40, and the HW-8
on everything but 10. Hey. Is there an ALC trick that I can use
with the FT-1000-D??? If I remember correctly, the thing has a
5-watt position? Will it run down to the mw range with this
technique?

BTW, Steve: what kinda' setup were record holders using?

73

Randy Jouett, AB5NI

lea BestRegards(pc),a0

jsr Print

rts

BestRegards: dc.b '72 & 73', 0

END

:^) :^)

Date: Wed, 30 Jun 1999 23:43:37 -0500
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [43978] Red Hot NC-20
Message-ID: <19990630.234338.8862.0.k5ubs@juno.com>

Question....what kinda tool is used to adjust those small pots and trim caps... The small jewlers screwdrivers, metal, just not the best tool. Would Radio Shack have such. All other supply houses (Tanners, etc) are on opposite side of town.
Just finished the receiver section and ready for AGC section. could not have done it so easy without the VE6DNL marker/gen. A "must have" piece of test equipment.

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, NORCAL

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 30 Jun 1999 23:44:02 +0000
From: Tim Ahrens <tahrens@hilconet.com>
To: qrp-1@lehigh.edu
Subject: [43979] Help on SB3-DCP (by SBE)
Message-ID: <377AABC2.EB94E513@hilconet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Remember SBE?

This thing is a 12v to 115v inverter @ 1kw

Lotsa germanium transistors, and a nice big transformer in the middle.

Help... it puts out about 180v at 212 Hz.
I figure the oscillator isn't running quite right.

Does anyone remember/have schematics/etc, etc?

I'll start checking capacitor values.. something's probably shifted in value.

OBQRP.. Didn't get a chance to play field day, or DLN.. Put up the tower this past weekend.. next is the phased verticals... watch out foxes!! hehehe
(See, just when you didn't think you'd hear about dem wiley critters for a good while)!!

Thanks folks!!

Tim W5FN

Date: Thu, 1 Jul 1999 00:48:58 -0400
From: Russ Garner <71544.1645@compuserve.com>
To: QRP-L <QRP-L@LEHIGH.EDU>
Subject: [43980] Zen of DLN
Message-ID: <199907010049_MC2-7B7A-D5C4@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Listers--

This one was right down my alley since I live in an apartment and outdoor antennas are not practical. I was really pumped.

I connected my best DL to my Omni V. (Yeah, I know, but I wanted the great filtering.) Decided

to not use the OmniBook 530 for logging--so
got by with just pencil and paper and Eric Foner's
**Reconstruction--America's Unfinished Revolution--
1863-1877** for the full run.

I did not work about 15 to 20 of you. Not a great
number, but I want to thank those of you who were
on the listening end. Too many to list here. You know
who you are.

To paraphrase one of our great American philosophers--
When hams decide that they are not going to work
someone--how are you going to stop them?
Getting ready for the next QRP event.

Regards, Russ WA0UIG, Marion, IA ; QRP-L 734

Date: Thu, 1 Jul 1999 00:50:48 -0400
From: jmarran@juno.com
To: qrp-l@lehigh.edu
Subject: [43981] The Ramsey QRP series of Transmitters.....
Message-ID: <19990701.005104.-412663.5.JMarran@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I referred to this radio yesterday in my posting about QRP with
"Non-standard" gear. The Ramsey kits are a descent kit to build to get
your feet wet with both building and QRP. It is a VXO design (2 XTALS
can be installed on the PC board, but there is room in the cases for
modifications. The VXO typically allows up to only 10 KC swing. To some
this is a problem, but I find that if more swing is needed, quite
unsavory conditions will be present in the oscillator. For the QRP
crowd, a XTAL at 7.040 will allow a swing down to the neighborhood of
about 7.032.

The jack on the back of it labelled RECV is so the operator can connect
the RX DIRECTLY to this port. Now, I tried it with my beloved Hammarlund
HQ-170, given to me by my grandfather Emil, W2DGV, SK, and I could see no
damage or harm done to it. The signal comes into the RX quite good, due
largely to a great circuit board. The protection comes from diodes
acting much like an RF controlled switch. Great idea for those of us who
use separates.

It puts out one watt FLAT. More power can be had by swapping the generic

3053 with something hearty like a 4427, or an SK 9645. I did it, and get about 2 watts here.

For the record...the Ramsey RX kits are very poor in performance. No sensitivity or selectivity. If a direct conversion RX is what you have in mind, try the Ten Tec T-Kit model 1056. You will love it!!!

72,

John KB2HSH

Date: Wed, 30 Jun 1999 21:12:55 -0800
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>
To: prvalko@oakland.edu, "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [43982] Re: 252 dB - QRP Moonbounce?!?! Phooie!
Message-ID: <377AF8D6.F2723DE4@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

More like 252 db +/-, Paul. I ran EME QRP at around 600-650 watts which was not very much in the 1978-1982 time-frame. The monster arrays were not yet in vogue everywhere. :-)

73, Jim, AL7FS ex=WA0LPK/KL7
2 meter WAS #36.

=====
"Paul R. Valko" wrote:

> You need to overcome 200 Db of path loss in an EME contact.
>
> 73! =paul= W8KC
> Collector of Ten*Tecs and other fine plastics
> <<http://www.acs.oakland.edu/~prvalko>>

--
73, Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska
<mailto:al7fs@qsl.net>

Date: Thu, 01 Jul 1999 01:16:58 EDT
From: james-rhonda@juno.com
To: qrp-1@lehigh.edu

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi George... Ten Tec makes a kit a that MIGHT be what you want... it's not the cheapest thing in the world, and it may be MORE rcvr than a beginner should tackle... but I gather it's pretty good, all told. Check their web site if you're not familiar with it. It might be interesting to put your question to Ten Tec and see what they say-especially regarding regarding beginner assembly.

I think you are right that a simpler but just as good version could be made, considering DDS synthesizers, and their capabilities. It would probably be best if it came like Dave's DSW-40 (NN1G / Small Wonder Labs)/etc. with the synthesizer chip presoldered, and then everything else as a kit.

AA Cells would be the best choice for headfone output... Dave's DSW-40 draws only about 40mA on receive... and a switch cutting off a speaker amp would yield both the ability to use the internal AA cells, or external power and full speaker audio. It'd eat those AA cells alive-but their attractive to me for headfone-only operations, cuz you can get those nice (and admittedly expensive) Eveready Lithium AA-cells that seem to last forever! But I DO like a speaker too.

You could also talk to Dave, and see if he had any ideas / would think about doing one. I think Eric and Wayne are up past their elbows trying to get the K2 kits out the door, as well as the options for it finished. But you never know, and they would surely give you a prompt answer.

Who knows: you may start something!!!

72 / 73 Ed N4XY Elecraft K2 sn: 000057

Ed Tanton N4XY EMAIL: n4xy@arrl.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770) 971-0436

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

~~~~~  
"Begin at the beginning... and go on until you come  
to the end: then stop."

The White Rabbit, from "Alice In Wonderland"

~~~~~


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event, we both felt that we were doing considerably better than last year.
I'd like to think that re-doing the radials for the vertical and adding th=
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go
and then headed for our respective homes.

=09 73,
=09=09=09=09 , ' ' ' ,
Bob Patten, N4BP (0 0) Plantation, FL=20
-----o00o-()-o00-----=

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715 =20

Date: Thu, 1 Jul 1999 00:43:48 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: "Paul R. Valko" <prvalko@oakland.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43988] Re: QRP Moonbounce?!?! Phooie!
Message-ID: <Pine.BSF.4.10.9907010025010.1267-1000000@shell114.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 1 Jul 1999, Paul R. Valko wrote:

>
> Perhaps I should sponsor a trophy? Hmmmmmmmm... the W8KC Trophy? The
> Valko Cup? C'mon people I'm working alone up here, somebody throw me a
> bone.

The Valko Cup has a nice ring to it. I'd say go for it!

>
> Oh... a typical EME contact, at least ONE station runs 1,500 watts (plus
> or minus a couple thousand, usually plus) 250,000mi/1,500W = 166Mi/W
 ^^^^^^^^

Paul, we need to remember this is a round-trip propagation, so the
distance is more like 500,000 miles. We're talking about 333 miles/W.

>
> IF someone makes the so-called "single yagi" EME contact at 160W, that
> equates to 1562 Miles per Watt. They generally are working W5UN or
> VE30NT, both of which have H-U-G-E amplifiers and parabolic dish antennae.
>

Well, I'm not sure how huge their amps are, but their antennae
produce one heck of a narrow beam, equating to a high ERP.

> You need to overcome 200 Db of path loss in an EME contact.

I should brush up on my satcom course notes. There is a convenient formula for coming up with link budgets. It's easy to predict what your Eb/No comes out to.

ObQRP: Take a look at the roof of a gas station building the next time you fill up. Don't be too surprised if you see a Direct-TV size dish up there. That's not there for the attendant(s) to watch the X-Games on ESPN. They're used for billing purposes. Credit card transactions are performed with the home office via a geosynchronous satellite parked up about 24,000 miles overhead. The terminals at the gas station run about 10 W. Now that's qrp!

>
> 73! =paul= W8KC
> Collector of Ten*Tecs and other fine plastics
> <<http://www.acs.oakland.edu/~prvalko>>
>

73,
Bob - W3CD

Date: Wed, 30 Jun 1999 23:18:38 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "GQRP-L" <gqrp@onelist.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [43989] Web site re-designed
Message-ID: <000901bec39d\$2ea687a0\$98ef5cc3@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am redesigning my web site and would appreciate opinions on the changes. The first page has been restructured to remove fancy graphic, sound etc, in an effort to make the site more easily read. Others pages will be changed as time allows, but with 10Mb of text, pictures etc to see to, it will be quite a task.

There is lots of new stuff for you to see and many, many links to everything you will ever need. I have added new articles, examples of my QSL collection etc. There is a separate page with latest additions which will be updated from time to time.

So, if you have time, take a look and let me have your opinions, and if you have anything which may be of interest to the rest of us QRPers, do let me

know and will gladly add it, with a suitable acknowledgement of course.
72/3

...

Frank G3YCC G QRP 042, G QRP Sales Officer.
QRP web page <http://www.karoo.co.uk/g3ycc/>

Date: Thu, 01 Jul 1999 06:35:27 -0400
From: Don Lefrancois <wb1cdh@cwix.com>
To: n4bp@bc.seflin.org
Cc: QRP-L <QRP-L@Lehigh.edu>
Subject: [43990] Re: N4BP (+K4PG) Field Day 1B
Message-ID: <007401bec3ad\$7fa30060\$58ca3ea6@0302316260447626>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 8BIT
Content-Transfer-Encoding: 8BIT

N4BP said...

We completed breakdown of the
station within 30 minutes after our 24 hour period ended and we hit the
road.
We made our usual "victory celebration" stop at the Dairy Queen on Key Largo
and then headed for our respective homes.

Now thats my idea of field day...

Don/ K1NNP

-----Original Message-----

From: Bob Patten <n4bp@bc.seflin.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, July 01, 1999 3:31 AM
Subject: N4BP (+K4PG) Field Day 1B

ARRL FIELD DAY

Call used: N4BP	Location: SFL
Category: Multi Operator	Mode: ALL
Callsign of Operator: N4BP & K4PG	Power: 5W
If multi-operator, show calls of all operators and loggers: N4BP & K4PG	

Exchanged Information: N4BP 1B SFL

Hours of Operation: 23:57

band	CW QSOs	CW pts	SSB QSOs	SSB pts	FSK QSOs	FSK pts
160	0	0	0	0	0	0
80	0	0	0	0	0	0
40	162	1620	0	0	0	0
20	295	2950	0	0	0	0
15	295	2950	25	125	0	0
RS13	1	10	0	0	0	0
10	0	0	21	105	0	0
50	0	0	0	0	0	0
144	0	0	0	0	0	0

TOTAL	753	7530	46	230	0	0	SCORE:
7,760							

Bonus Points:

800

=====

Final SCORE:

8,560

Club or Team Name: Guano Reef Bashful Perverts

Comments: The entire weekend went pretty much as planned, which was good and bad. The station went together easily, there were no equipment break downs, the weather held, the air mattress held, the bugs were tolerable. But, where last year we ended in a tie for first place for all single-transmitter stations, this year the best we can hope for is second place. Congrats to the Tampa Amateur Radio Club organized by W4ZW for a terrific showing from W4AC! Last time I give my secrets away. :-)

We began setup at about 1600Z, therefore limiting our op time to 24 hours. First, the trusty old "ugly vertical" went up with my usual dive into the Gulf to secure the offshore nylon guy to an underwater rock. This year, we put up a DK9SQ 33 foot fiberglass mast and used it to support a 40 Meter dipole. This netted us MANY more Q's on 40M than last year with only the vertical. We used my TS-130V for all but one QSO. The new IC-706MKII in a mobile setup with Hustler and multiple resonators netted us one RS13 satellite QSO during the last five minutes of its last available pass! The Kenwood and 486 notebook computer running the NA logging software were powered by a 110 A/H deep cycle marine battery which was previously charged from a two amp solar panel. The battery went the full 24 hours and still seemed to have plenty of juice left.

Kevin kicked it off on 15 CW while I put up the 40M dipole. Throughout the event, we both felt that we were doing considerably better than last year.

I'd like to think that re-doing the radials for the vertical and adding the 40M dipole made the difference, but more likely the improved conditions were entirely responsible for our 150 QSO improvement over last year.

We had a K10 PIC keyer and NorCal paddle set up for the public and several visitors got a kick out of sending their own CW. An Italian couple stopped by and understood "Morse" and "SOS", but otherwise we had a difficult time communicating. Speaking of visitors, a couple of strange coincidences took us by (pleasant) surprise. Jim Anderson, co-worker of Grant, N4GM happened to be camping at the same KOA. I had tried to coax Grant into joining us earlier in the week. So, we sat Jim down at the operating position on Sunday afternoon to fill in for Grant. Also, two of my good friend, WA4YLD's grand-sons stopped by and started asking if we knew this ham and that ham, whom of course we did. The two boys had started studying for ham tickets, but got sidetracked by other studies before they were able to get licenses.

I made one error in operating that could well have made the difference between a first and second place showing. I found that coiled cord thingee with the cooling fins on the front and started talking at it. People started talking back to me and I ended up logging about 50 QSO's. After my second phone session during the last hour, Kevin got back on CW and pushed the NA rate meter to over 100/hour! Next time I'll leave the mic at home!

All in all, a quite successful outing. We had some light rain and almost constant overcast - a blessing since it kept us from roasting. Mosquitos were occassional visitors, but a minor annoyance. We completed breakdown of the station within 30 minutes after our 24 hour period ended and we hit the road. We made our usual "victory celebration" stop at the Dairy Queen on Key Largo and then headed for our respective homes.

73,

, ' ' ' ,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Thu, 1 Jul 1999 03:58:06 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [43991] NiMH batteries, charging &c
Message-ID: <19990701.035823.16462.1.nilsbull@juno.com>

Gang,

Ok, another redundant question: I got a handful of 1.2V, 1200 mAH batteries from Roger's Midwest Surplus yesterday & then, despite the cheap price &c, wondered if I was gonna be able to charge 'em.

Can I charge these in series? Or does each individual cell need to be charged individually?

I remember something about this question on a previous posting, but don't remember where I saw that.

73
Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich

McTovarishov

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 01 Jul 1999 07:21:29 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [43992] Re: Metal Working 101
Message-ID: <377B08E9.BCBFD621@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This is a common problem.
Schools all over the country are dropping lots of technical courses.
If you look you will probably notice that they have mostly been
replaced with computer courses.

I have been looking for welding courses and have not found any, and
welding was once a mainstay of adult education. :-(
I would love to go to Lincoln and weld all day, every day for 5 weeks,
but I cannot take the time or money. Also I don't need to become a pro
weldor, I just want a bit more skill and training to save some OJT time.

Now for my point, and I really do have one.
A good source for metalworking information on the net is the newsgroup
rec.crafts.metalworking

michael N6CHV

mtracy@arrl.org wrote:

>
> K5FO wrote:
>
> > I even went to research the local Junior Colleges for a one
> > semester course but no such luck.
>
> This reminds me - I've become interested in metal working in the last couple
> of years and have found lots of books and magazines (and web sites) on the
> subject. However, I am hesitant to work with lathes and other machine tools
> without some kind of "hands-on" instruction first.
>
> I've also searched junior colleges and adult education programs for courses
> on this, but nothing turns up that I can find.

Date: Thu, 1 Jul 1999 06:52:36 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43993] Re: QRP Moonbounce?!?! Phooie!
Message-ID: <001701bec3b8\$37231f40\$a337a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Some members of the North Texas Microwave Society routinely make EME QSO's
using 100 W at 10 GHz. It was once thought that the path loss on X-band
would be too great for amateur power levels but that has been found to be

incorrect. Using surplus TVRO dishes (resurfaced if necessary) and state-of-the-art LNA's EME on 10 GHz has actually been found to be easier than some of the lower bands. A few have heard their own echoes with as little as 4 to 5 Watts but I'm not aware of a two-way QRP QSO yet. It certainly sounds possible, especially with stations like W5LUA (ex. WB5LUA), who has a very large dish. In fact, sometimes it's too large as he illuminates only parts of the moon!

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Thu, 01 Jul 1999 07:58:40 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [43994] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
Message-ID: <377B11A0.53116246@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While there are plenty of miles in an EME contact, there is also a very inefficient reflector.
The distance to the moon is between 223-253 thousand miles, double this for a round trip.

The lowest power I know of for EME contacts is about 100 watts.
This gives something between 4 and 5 thousand miles per watt, not bad at all, but certainly not a record.

Please note that the 100 watt station will probably only be heard by the real 'super stations' with antennas larger than the homes and land most of us live on.

It is another fun area to experiment in.
Now the entry level EME station is 100-150 watts on 2m, with a pair of long boom yagis and a good receiver and preamp. Living in a low noise area will be helpfull. :-))

michael N6CHV

dafouchey@home.com wrote:

>

> It just kind of piqued my interest when the whole subject of miles/watt
> came up.

>

> Not that I have ever even attempted moon bounce, it just seemed like a
> "natural" for the Miles/Watt venture..

>

> Dave
> WA4EMR

>

> Radioham wrote:

> >

> > > I do not have that information available. None of the records appear to
> > > indicate if a QSO was done by moonbounce. Chuck, K5F0, was the Awards
> > > Manager prior to me and he might have an idea if there is any annotation to
> > > indicate that. I know there have been no applications for such an award
> > > since Jan 1999.

> >

> > 72/73,

> >

> > Steve, N4EUK
> > QRP ARCI Awards Manager
> > www.qrparci.org

Date: Thu, 01 Jul 1999 08:29:45 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [43995] Re: dBm
Message-ID: <377B18E9.16F73BA1@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Is saying 5 watts meaningless without specifying the impedance?

NO

Saying 37 dBm is the exact same thing as saying 5 watts.

Why do RF people tend to assume 50 ohms and audio people use 600?

This is an oversimplification, Hams use 50 ohms (mostly), audio is mostly 600 ohms, but cable TV people use 75 ohms.

Today lots of audio is at 4, 8, or 32 ohms, what to do?

Hmm, I wonder why?

The reason comes down to taking measurements.

The easiest to make and use are voltmeters so most of the meters we use are actually voltmeters that are calibrated to read the desired units when looking at a designated impedance.

For additional convenience we calibrate our meters to read the units we use most, when looking at the most common impedance used in our equipment.

For another example let's go to mechanical systems where horsepower is a common unit. HP is torque times RPM, for a rotation system. You can have the same HP at high RPM and low torque, or low RPM and high torque. The difference is gear ratio, also known as impedance.

michael N6CHV

neil@aaade.com wrote:

>

> Sorry to stick my \$.02 worth in but:

>

> >From an engineering point of view one MUST specify the impedance when
> talking about dbm as the number is meaningless without it.

>

> Of course it is customary for RF people to assume 50 ohms and audio
> people to assume 600 ohms when not specified.

Date: Thu, 01 Jul 1999 08:52:23 -0400

From: Mike Czuhajewski <wa8mcq@erols.com>

To: prvalko@oakland.edu

Cc: QRP forum <qrp-l@lehigh.edu>

Subject: [43996] A QRP-L historical tidbit

Message-ID: <377B6487.267A@erols.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Paul, in your post about the first 2 posts to qrp-l in the beginning, you said this--"Notice back then, qrp-l was hosted at "think.com!" That was before lehigh.edu."

That's technically true, though we were also at netcom.com for a while between those. Thinking Machines, which hosted think.com, announced that it was going into Chapter 11 bankruptcy (the one where you restructure but keep operating), so the Powers That Be of qrp-l went

into a bit of a panic and started looking for a new host before we had the plug pulled by think.com. Can't remember if think.com ever went under or not, but Chuck got us moved over to netcom.com.

The fun part was that think.com had a daily digest function but netcom.com was running other software and did not have the digest. I remember the time well, since we lost quite a few subscribers, a fairly serious number, and they admitted freely that they couldn't keep up with all the traffic flow of getting the individual messages. (That's still a problem even today.)

Things went on like that for quite a few months, losing people slowly but surely. There was lots of heartburn and angst, at least on my part :-). I can't remember who it was, but someone sent me e-mail asking if we'd like to move to lehigh.edu, saying that it had a lot to offer, especially the ability to restore the daily digest function. I told them who to talk with--Chuck, probably--and a short while later we were on lehigh.edu, got the daily digest back, and the subscriber list has been climbing ever since.

As I seem to recall, Steve Modena, AB4EL, even started doing some sort of digesting or something similar at his home provider, for the benefit of those who wanted a daily digest function that netcom.com didn't provide. He put a huge amount of time into that for quite a while, and it was really appreciated.

Ah, the good ol' days! The traffic flow was much lower in the early years. I remember well when we'd say "Wow--40 posts today!" and now it's "Thank God--only 40 posts today." :-)

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Thu, 01 Jul 1999 09:10:11 -0500
From: David Maliniak <dmaliniak@penton.com>
To: qrp-l@lehigh.edu
Subject: [43997] 3-day QRP-L digest site lives!
Message-ID: <377B76C3.D974EBAD@penton.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steve Modena still maintains a site with a rolling three-day digest. The URL:

<http://metalab.unc.edu/modena/3day.qrp.html>

72,
David N2SMH
Glen Rock, NJ

Date: Thu, 1 Jul 1999 08:20:19 -0500
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrp-l@Lehigh.EDU
Subject: [43998] Please check High Bands!!
Message-ID: <00165190.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part
Content-Transfer-Encoding: 7bit

OK gang,

As I write this (1315z) the Solar Flux is 210. That's way higher than this ham has ever seen. Also the A and K indices are both fairly low.

I'm stuck here at work with no access to a radio. Can somebody do the list a favor? Please check out the high bands (17, 15, 12 and 10) and give us a status report throughout the day??

If 10 and 12 don't sound good now, will they ever? I'm about to think that 10m is a cruel myth that we can only dream about :^) When will it begin to live up to its reputation??

I (and I'm sure many others here) will appreciate this status report very much.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Thu, 01 Jul 1999 07:29:50 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [43999] The Ultimate Two Cent Transistor

Message-ID: <377B6D4D.961C6659@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy Folks

Bought some house marked Motorola "2N3904" transistors from Electronic Goldmine (part# G9398) a short time ago for 50/\$1.00. So far, they seem to perform as well as "real" 2N3904's--at least, I can't tell the difference. They work very well in the Kitchin/Desert Ratt type regen. Just thought I'd pass the good news along.

The Level II version of the ElmeRadio has been built up and tested. Still AM broadcast only, but vastly improved performance. SW version is next.

This truly is the golden age for the electronic hobbyist!

Bruce kk7zz

Date: Thu, 01 Jul 1999 07:31:01 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [44000] ElmeRadio Level II
Message-ID: <377B6D95.268B3D22@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Level II version of the ElmeRadio has been built up and tested. Still AM broadcast only, but vastly improved performance. SW version is next.

I will have documentation available as soon as it is converted to .pdf.

Bruce kk7zz

Date: Thu, 01 Jul 1999 07:40:07 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@lehigh.edu
Subject: [44001] Re: The Ultimate Two Cent Transistor
Message-ID: <377B6FB7.ABD73CA9@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce Kizerian wrote:

> This truly is the golden age for the electronic hobbyist!

Generally, this window of opportunity we have (call it today, the present, whatever) should be the golden age for everything we do. We have more control over what we do today, no control over the past, and incredible leverage on the future. Make it so !!!

Enough philosophy from me today - K2 #194 has a completed Control and FP board - tonight, I begin the RF board !!!!

72 - john

-- John A. Evans, N0HJ -- jaevans@codenet.net

Date: Thu, 01 Jul 1999 06:44:34 -0700
From: Thomas Upton <stjohn@ocsnet.net>
To: qrp-1@Lehigh.EDU
Subject: [44002] One watt SSB
Message-ID: <377B70C1.709E916B@ocsnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, I have been having fun with the SG 2020, and last night from 0555 to 0626 July 1, 1999 I had a chance to see what it could do on 7154.2.

KG6MZ Dean in Calama WA (sp?), KR6BD Adam in Chico CA, KR6AW John in Fortuna CA and I were in a round robin QSO, and I had the chance to keep reducing power, first at 20 watts, then 10, then 3, then finally 1 watt.

S units are approximate, at best, but I sank about 1 unit for each reduction. Typical start was 7, going down finally to 5.

Antenna is jury rigged L antenna, the 33 foot vertical driven from the center conductor of the coax, and the horizontal 33 foot laying due north across the garage. Driven at about 8 feet up at the center. I'm a firm believer in the value of a good antenna! This one is doing a FB job, but, a beam up a long way would be interesting. Absolutely no reflected power noted on the SG 2020 rig. Apparently 1:1.

I am really pleased with the SG 2020. Tried to run it on FD with D Cells, though, and even at one watt they couldn't push hard enough. Perhaps that was due to the small size of the conducting wires from the battery pack (8 D's in series). Next to look at improving the wire diameter.

My QTH is central California 75 miles SE of Fresno (at 36 N and 119 W), and the trip to WA was a few miles! One watt was reported to be "better" than three. There was enough QRN to make it interesting, so the guys must really have had their ears on, as the CB'ers say.

More about the SG 2020 adventures, as they happen.

Tom AD6N, Porterville CA 36 N at 119 W.

Date: Thu, 1 Jul 1999 08:48:59 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <kreinbd@ccgate.dl.nec.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [44003] RE: Please check High Bands!!
Message-ID: <000001bec3c8\$790181d0\$d8016f81@uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

10-meters was open into Europe for about an hour yesterday noonish CDT and open into Oceania last evening for about the same amount of time. It's starting to show it's wonders. Be patient! It takes more than a good solar flux to make 10-meters hop.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> David Kreinberg
> Sent: Thursday, July 01, 1999 8:20 AM
> To: Low Power Amateur Radio Discussion
> Subject: Please check High Bands!!
>
>
>
> OK gang,
>
> As I write this (1315z) the Solar Flux is 210. That's
> way higher than this ham has ever seen. Also the A and K
> indices are both fairly low.
>
> I'm stuck here at work with no access to a radio. Can
> somebody do the list a favor? Please check out the
> high bands (17, 15, 12 and 10) and give us a status
> report throughout the day??
>
> If 10 and 12 don't sound good now, will they ever? I'm
> about to think that 10m is a cruel myth that we can only
> dream about :^) When will it begin to live up to its
> reputation??
>
> I (and I'm sure many others here) will appreciate this
> status report very much.
>
> 73 de Dave, NR3E
> QRP-L #25
> nr Dallas, TX
>

Date: Thu, 01 Jul 1999 13:48:33 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [44004] Re: Red Hot NC-20
Message-ID: <19990701135108.YLHK2808@webmail.worldnet.att.net>

> Question....what kinda tool is used to adjust those small pots and trim
> caps... The small jewlers screwdrivers, metal, just not the best tool.
> Would Radio Shack have such. All other supply houses (Tanners, etc) are
> on opposite side of town.

Oscar,

Shack should have something. Look for "alignment tools."
Make sure one in the set (I think Shack sells only sets) has
a stubby square metal blade set in the end of a plastic rod.
This will have minimal detuning effect, yet is strong enough
to not get chewed up when tweaking a stiff control. The plastic
screwdriver types work, but they don't last long.

May favorite is the ceramic tuning tools, but they're somewhat
expensive.

Dave, WD8CIV

Date: Thu, 01 Jul 1999 10:13:49 -0400
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [44005] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
Message-ID: <377B779D.6FB@arrl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chuck Adams K5FO wrote:

> Maybe someone in this group can check with the people at
> the largest dish in the world in PR and find out if they
> have tried this little experiment.

I recall reading that the Arecibo hams had used an HT on the array one
day and heard clear echoes. I think I recall the power was 100 mw, but I
may be mistaken on that.

73, Ed, W1RFI

Date: Thu, 01 Jul 1999 08:24:28 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [44006] Third World NC-20's ???
Message-ID: <377B7A1C.1E5C7302@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Greetings,

I know these things take time, but I was wondering if anyone has received any feedback on those NC-20's that made it to the deep dark recesses of the world. I would love to hear success stories !!!

72 - john

-- John A. Evans, N0HJ -- jaevans@codenet.net

Date: Thu, 01 Jul 1999 14:16:41 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [44007] Re: general coverage receiver
Message-ID: <19990701142452.SBCS4954@webmail.worldnet.att.net>

> Just a thought:
> There are some interesting "rx on a chip" around. The one I am familiar with
> is the ?obsolescent ? Siemens TCA440. I believe there are later
> Signetics/Philips jobs that may be superior.
> TCA is a serious radio chip: balanced mixer, sophisticated sinking diode
> agc. Limitation is that IF line has upper freq limit around 500kHz. Chip
> does all active things up to the detector.
> Thinking out loud: use with 455 if but make upper freq limit, say 15mHz
> before images get tooo bad....
> This assuming trad technology for oscillator coils etc.
> Could be inexpensive, low parts count.

Baz,

Motorola makes a line of FM receiver chips that can be pressed into service for a SSB / CW receiver. (See "The Traveler" receiver kit at Dan's Small Parts.) The MC3362 (which is a newer chip than that used in the Traveler) has two local oscillators, two active mixers, a limiter stage, a signal strength output, and an FM quadrature detector. The first mixer input can accept signals up to 200 MHz.

The chip is intended for FM reception up into the low VHF range, but its pinout allows one to bypass the limiter and FM detector. The Traveler uses the first mixer to convert an 80M signal to a 5.185 MHz IF, then the second mixer is used as a product detector.

The data sheet for the '3362 is at:

<http://www.mot-sps.com/books/dl128/pdf/mc3362rev2h.pdf>

Dave, WD8CIV

Date: Thu, 1 Jul 1999 10:09:42 EDT
From: "Jeffrey L. L. Greer" <wd4et@juno.com>
To: artm@t-com.com
Cc: qrp-1@Lehigh.EDU
Subject: [44008] Re: NFL
Message-ID: <19990701.102917.3950.2.wd4et@juno.com>

Hi Art,

>> qrp activity in Northeast FL

I set up a table for qrp at the Jax Hamfest last year. About 15 hams signed the log. There are several people interested. We need to have a lunch get together Norcal style at a restaurant one Sunday afternoon soon. My K2 is at my office. I have been in Tampa for the last several days and haven't had time to pick it up. It should make a nice show n' tell item.

Let me know which weekend would be good for you and we'll see how many we can get together.

72, Jeff WD4ET in Jax, FL

PS. Landline number is: 904-292-1025 (Tell Debbie it's qrp stuff)

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Date: Thu, 1 Jul 1999 09:18:40 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [44009] Noise Bridge (MNB-01) and Mini-Circuits Group Buy
Message-ID: <19990701.103812.-247101.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Re:Subject...

1)

From: "Gene Hall" <evhall@ix.netcom.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Date: Mon, 28 Jun 1999 21:26:34 -0400

Subject: Minicircuits Group Buy ADE-1

2)

From: n3aaz-qrp@juno.com

To: qrp-1@Lehigh.EDU

Date: Mon, 28 Jun 1999 09:39:32 -0400

Subject: SPICE and The Noise Bridge (both, now working)

For those interested...

The "bridge" a transformer (heart of the circuit)

that works the best to date is the

MCL T4-1 (a 6 pin DIP)

cost *APX* \$3.25 each.

Gene (above) has given permission (thank you)

to use his name and e-mail in vain : >)

He will accept requests through July 17

then e-mail everyone with the cost of

their parts.

Thanks again Gene for the help.

John

N3AAZ

FM19xa

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Date: Thu, 1 Jul 1999 10:31:31 -0400

From: John R Kirby <n3aaz-qrp@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [44010] Re: dBm - answer to my question

Message-ID: <19990701.103812.-247101.3.n3aaz-qrp@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

From: John R Kirby <n3aaz-qrp@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Wed, 30 Jun 1999 09:56:13 -0400
Subject: Re: dBm

>What about 5 Watts?

>dBm = 10 log (P1 / P2) >*from my last post Re above*<
>dBm = 10 X log of (5 / 0.001)
>dBm = 10 X log of (5000)
>dBm = 10 X 3.699
>dBm = 37

>Five Watts is 37 deci Bell above a milli Watt
>(and that is a fact),
> but,
>is that (37 dBm) in
>a 50 Ohm system or
>a 75 Ohm system (: > 0

ANSWER...

>dBm< (Re: above) is a POWER term,
NOTE that neither >R< nor >Z<
is indicated, implied or hinted at.

>0 dBm< is a reference point on a number line,
(and that is a fact).

If I define;
>0 dBm< in a 50 Ohm system as one milli Watt across 50 Ohms,
>0 dBm< in a 75 Ohm system as one milli Watt across 75 Ohms,
>0 dBm< in a 377 Ohm system as one milli Watt across 377 Ohms,
>0 dBm< in a 600 Ohm system as one milli Watt across 600 Ohms,
then,
five Watts is 37 deci Bell above a milli Watt.

Why?
by definition,

dBm = 10 log (P1 / P2)

Question?

Is 0 dBm in a 50 Ohm system *equal to* 0 dBm in a 75 Ohm system?

Answer...

>> $E = (P / R)^{0.5}$ << Ah HA ! ** R ** appears ! !

0 dBm (in a 50 Ohm system) is 223.6 milli Volts across 50 Ohms
and

0 dBm (in a 75 Ohm system) is 273.8 milli Volts across 75 Ohms

Question?

Is 0 dBm in a 50 Ohm system *equivalent to* 0 dBm in a 75 ohm system?

Answer...

Both systems dissipate one milli Watt.

Question1

If a 377 Ohm system dissipates one milli Watt,
what is the voltage measured across the 377 Ohm resistor?

Question 2

In the same system,
if the power meter indicates 37 dBm,
what is the voltage level?

Question 3

What is the power level at 37 dBm?

trivia...

Did you know that 377 Ohms is the impedance free space?

John

N3AAZ

FM19xa

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Date: Thu, 1 Jul 1999 10:35:31 -0400

From: John R Kirby <n3aaz-qrp@juno.com>

To: lanecox@hotmail.com, qrp-l@Lehigh.EDU

Subject: [44011] Re: dBm - a valid way -try this -

Message-ID: <19990701.103812.-247101.4.n3aaz-qrp@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Lane and those interested,

As you noticed,
>dBm< can be an interesting term.

RE:

Your second question
>a valid way to measure the input impedance of the *device*?

A very easy way to measure the approximate resistance
of an unknown device
is with a non inductive, variable resistor.

Connect a source (signal generator) or
((LOW VOLTAGE battery **be careful here
because a deep cycle RV battery
may be a *bit* too much))
to the top of the variable resistor.

Connect the device to be measured
to the center contact of the variable resistor.

The "bottom" of the variable resistor has no connection
and not used during this procedure.

Set the variable resistor to zero Ohms (between the top and center arm).

Measure the voltage at the unknown load.

Adjust the variable resistor until this voltage is one half the original
value.

Disconnect the variable resistor.

The variable resistor is now approximately equal to the unknown device.

Note:

This technique works like gang busters for DC systems (the battery).
There are some "pitfalls" using this technique with
AC systems (the signal generator). However
a fair approximation can be realized.

John
N3AAZ
FM19xa

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Date: Thu, 01 Jul 1999 07:40:27 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [44012] Astron Power Supply Experience
Message-ID: <377B7DDB.FBE7EBEE@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends,

My faithful Astron RS-20A power supply is showing signs of old age. I am giving serious consideration to buying one of their new 30 amp metered switching power supplies (the SS-30M) to power my Kenwood TS570D(G). Has anyone here had any first hand experience with the Astron switching power supplies?

--
=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 01 Jul 1999 14:40:50 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [44013] Publish it!
Message-ID: <19990701144528.KXWU3470@webmail.worldnet.att.net>

> Hence, it may be mostly the confidence factor that keeps folks from doing
> an article for QQ or one of the other QRP outlets. I wish I had a magic
> bullet to kill writer's anxiety, because we are missing some great
> information that would be useful to a large portion of the gang.
> Words are just another tool--actually an assortment of tools--that we
> master by practice. It does not matter that we never master the tools

> perfectly, so long as we get a little bit better each time we use them.
>
> I hope everyone who develops a technique, a skill, an idea that is useful
> will share it with all, not only here, but in the QRP journals as well.
> When someone voluntarily sends a note without any prior obligation to say
> "Thanks. I needed that." you will have the satisfaction of knowing that
> you passed along what you know to some one who will use it and pass it
> along to others.

I don't know what anyone else's excuse is for not writing something, but for a long time mine was the fear that there was someone "out there" that knew more about a subject than I did. Then I finally realized something... "He hasn't written anything either!" So I got there first, and published an article where there was none before.

I guess a lot of people are reluctant because they don't think they have the writing skills. I have three things to say to them:

- 1) You're no worse than anybody else.
- 2) Even if you are, nobody cares.
- 3) That's what editors are for anyway.

Every publication (with the possible exception of self-published Web pages) has an editor to dot the Ts and cross the eyes. The editor is the expert in getting the the stuff on paper. YOU are the expert at what YOU do.

So tell us about it! Write something and send it in!

Dave, WD8CIV

Date: Thu, 1 Jul 1999 11:17:19 -0400
From: "Michael Babineau" <michael.babineau@sympatico.ca>
To: <qrp-l@lehigh.edu>
Cc: <n3fel@juno.com>
Subject: [44014] re:Collapsible antenna poles?
Message-ID: <001301bec3d4\$e7cb5c60\$2391acce@b1ccdy92>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howard :

If you are ok with something light-duty read on.

Warning, don't use this for anything other than a very lightweight wire antenna, preferably an inverted V as it provides extra guying for the mast. Also, its a bit flimsy for a permanent installation.

What I did for FD was to purchase a collapsible 17ft paint pole at Home Depot. It has 3 sections, the top two being aluminum, and the bottom being a nice bright yellow fiberglass(keeps me from running into it!).

I extend this a few feet by sliding a 5ft section of PVC pipe over the top, which I keep from sliding down with a single hose clamp tightened around the top aluminum section a few feet down. I also purchased a lightweight guy ring (designed for a small TV mast), which sits on top of the Hose clamp and is thus prevented from sliding all the way down. I precut 4 lengths of brightly colored nylon rope and attached s-hooks on the end of each, these act as the guys for the mast. and attach to the guy ring. I trick I learned from a "Hints and Kinks" article is to pickup a 6-pack of cheap no-name screwdrivers and use these to peg the guy lines.

For field day this year, I drilled a hole in the top end of the piece of PVC pipe and attached the center of my 20m folded dipole, which I hung from the mast as an inverted V. The PVC piece brings the total length to about 20ft and puts the center of the dipole a few feet above the aluminum sections.

Basically the mast just needs to support it's own weight. Not extending the sections all the way (I leave about 3 inches or so of overlap in the sections) makes things a lot more stable.

Sets up easily in 5-10 minutes with one person, and gives you a 20ft mast. I think that the overall length of the collapsed paint pole is about 6ft, so the whole thing including the 5ft PVC addon packs up quite small and is very light.

Next year I may clone my setup and use 2 masts to putup something like a halfsquare for 20 meters.

Michael

VE3WMB

Date: Thu, 1 Jul 1999 08:26:33 -0700 (PDT)

From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44015] Re: Publish it!
Message-ID: <Pine.GS0.4.10.9907010813340.14585-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Let me add a bit to what has been said about writing for one of the QRP magazines.

The first thing I ever wrote was for Doug in the QRPP. Be darned if he didn't use it! :-)

Now I'm a guy who can't spell, doesn't know a preposition from a proposition and doesn't really much care!

But I am an Editor! But only a managing editor.....I am very lucky to have many very good editors that do all the "fixing" of the raw articles!

I would like to invite you all to write something. Each one of you has a good story to tell that relates to QRP, all you have to do is try!

There are many places to send your story. I am with the QRP ARCI Quarterly. Doug at NorCal (QRPP) is also ready to help the new writer. And there are many, many others.

I also write a column for the NCJ (National Contest Journal). I am now looking for some nice stories about Field Day. What did you do? I'd LOVE to hear from some people who tried this as their first experience with a contest. What did you think? Will you be trying another contest? Did the contest bug bite a little bit??

You only need to send me ASCII text. Nothing fancy. I can also handle most word processors formats from the DOS/Windows world.

So how about it??

There are a lot of us that would love to read your story.

Thanks,

Ron, KU7Y

Date: Thu, 1 Jul 1999 11:32:39 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <PGSPersEng@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [44016] RE: FT-990 QRP
Message-ID: <000201bec3d6\$f3bcb1c0\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Say Paul, can't you attach a variable pot in a voltage divider hooked to a 9-V battery to the rig's ALC input? Wouldn't that crank her down to whatever level you wanted?

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> PGSPersEng@aol.com
> Sent: Wednesday, June 30, 1999 10:06 PM
> To: Low Power Amateur Radio Discussion
> Subject: re: FT-990 QRP
>
>
> Jay,
>
> There's no external adjustment to drop power below 10W on the FT-990.
>
> I do have a tech note from Yeasu that shows an internal mod that
> drops power
> down. It involves soldering a shunt resistor around a surface-mount chip.
> Sounds tough, really isn't. If I can do it, anybody can.
>
> If you'd like me to photocopy or fax the tech report (1 page? 2
> pages max),
> let me know.
>
> Paul, AA1MI
> Rye, NH
> aa1mi@ARRL.net
> QRP-L #360

>

Date: Thu, 01 Jul 1999 11:33:18 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@lehigh.edu
Subject: [44017] can someone help
Message-ID: <3.0.5.32.19990701113318.008148a0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

if you regularly get radio rec and would post a sf add for me, I'd appreciate it.

I haven't services setup here for news groups.

btw, have a Kenwood r1000 in excellent condx with manual. Asking \$200 obo shipped/insured.

I also have a 35 amp Astron no meters asking \$90 includes shipping and insurance. If the prices are way out of line, feel free to privately respond as to not creat traffic here.

The pwr sup has little use and is just in the way. Want a switching which takes up less space. Man that table is getting crowded.

Please reply to n3byy@amsat.org

tnx es 72 de Scott/n3byy

ps if anyone is using one of the free E-mail accounts that allow you to use your own program like Eudora etc. please let me know.

I want to move mail elsewhere.

Date: Thu, 1 Jul 1999 11:41:01 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [44018] Re: dBm - answer to my question, oops a TYPO
Message-ID: <19990701.114209.-247071.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

oops a typo

All the arithmetic is correct.

Just typoed the equation.....

ERROR

ERROR >> $E = (P / R)^{0.5}$ << Ah HA ! ** R ** appears ! !<< ERROR

This is correct... multiply P times R (not divide)

>> $E = (P \times R)^{0.5}$ << Ah HA ! ** R ** appears ! !

John
N3AAZ
FM19xa

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Date: Thu, 1 Jul 1999 10:39:57 -0500
From: "Nathan Gordon" <nathang@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [44019] PCB design software
Message-ID: <013801bec3d8\$0087bac0\$0401a8c0@ramphome.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi everyone,
I found a neat piece of freeware PCB design software. It is even
available for Linux.

<http://www.cadsoftusa.com/freeware.htm>

Just thought someone here might be interested.

73,
Nathan KF9LI

Date: Thu, 01 Jul 1999 11:42:04 -0400
From: Buck Switzer <n8cqa@tir.com>
To: qrp-l@lehigh.edu, gqrp@onelist.com, qrp-canada@lists.gpfn.sk.ca
Cc: n8cqa@tir.com
Subject: [44020] MI QRP 7/4 CW Sprint
Message-ID: <377B8C4C.12229FF@tir.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang - The MI QRP Club 4th of July CW Sprint starts at 2300Z (7/4/99) to 0300Z (7/5/99). I've attached a copy of the rules (Word 97). All rules are available at the MI-QRP web page - www.tir.com/~k8dd/mqrp.htm. Hope to work many of you, will be on 40 and 20 at .950 watts.

73 Buck N8CQA

Date: Thu, 1 Jul 1999 11:01:08 -0400 (EDT)
From: Chris Cartwright Sr <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44021] The Silver Lining...
Message-ID: <Pine.LNX.4.04.9907011030590.31204-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got called back into work earlier this week at 0400Z, for a fire alarm in the computer room. Grumble... grumble... reset alarm, babysit the system, all looks well, and I'm out of there by 0530Z, grumble... grumble... Now the drive home... grumble...

On the way home in the truck I hear a CQ from W5RXP, nothing special you say? Well there was a little /KH3 hanging on the end of his call. Now I wasn't sure where KH3 was exactly, but I was *REAL* sure it wasn't on the east coast:) Drop my call, boom 559 both ways, a brief ragchew and Rich is back to calling CQ, and I have a big smile and Johnson Island in the log. Now where'd my map of the Pacific go?

Here's hoping I get called into work late/early more often... I think :)

-- Chris Cartwright, Technical Engineer | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 1 Jul 1999 09:59:11 -0700
From: w4bws@juno.com
To: jmarran@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [44022] Re: Kanga Kits for QRP
Message-ID: <19990701.115951.-215827.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John, instead of a switch for power, consider switching a capacitor into the circuit to shift the oscillator frequency on receive and thus get it out of your passband. This can be by a small relay or with the TX/RX switch and the oscillator will not be stopping and restarting. I used this scheme many years ago on glowbugs with continuous running oscillators to prevent chirp.
Don W4BWS

On Wed, 30 Jun 1999 01:04:07 -0400 jmarran@juno.com writes:
>I was given a Kanga "OX0" kit by my ex for my birthday a few years
>back. It's cheap, easy, puts out PLENTY of power (2-3watts)
>-snip-
>On the NEGATIVE side: The oscillator runs constantly. This is a
>problem for those of us who listen to the RX while we are keying,
>-snip-

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Thu, 1 Jul 1999 10:02:39 -0700
From: w4bws@juno.com
To: k6qq@hdo.net
Cc: qrp-1@Lehigh.EDU
Subject: [44023] Re: Metal Working Advice Needed

Message-ID: <19990701.115951.-215827.1.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have used Miracle Oil for about 30 years to do
this type of cutting and drilling. It is readily available
and has many uses.
Don W4BWS

On Tue, 29 Jun 1999 22:52:17 -0700 "John Moriarity" <k6qq@hdo.net>
writes:
>Chuck, -snip-
>A cutting oil is in order. I think they are mostly to
>remove some of the heat.
>
>John, K6QQ
>
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Thu, 1 Jul 1999 11:12:14 -0700
From: w4bws@juno.com
To: hybiske@generalatronics.com
Cc: qrp-1@Lehigh.EDU
Subject: [44024] Re: Collapsible Masts
Message-ID: <19990701.115951.-215827.6.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

And it's available in the USA at Kanga Products.
Don W4BWS

>
>If this isn't the holy grail of collapsible mast, it's gotta be
>pretty close:
>1) Tall enough >> 33 ft.
>2) Light enough>> 3.3 lbs.
>3) Strong enough>> UV resistant , reinforced
>4) transportable>> How's 3.8 feet sound?

>
>Price not bad at a hundred bucks.
>
>I saw it at Dayton this year where it was a real hit. Wish I had
>picked one
>up myself. Check it out at <http://www.qsl.net/dk9sq/fibregle.htm>
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Thu, 1 Jul 1999 11:41:22 -0700
From: w4bws@juno.com
To: prvalko@oakland.edu
Cc: qrp-1@Lehigh.EDU
Subject: [44025] Re: QRP Moonbounce?!?! Phooie!
Message-ID: <19990701.115951.-215827.8.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone know how we can get on the BIG DISH in
Puerto Rico. I haven't talked to anyone there since
good old Sam Harris went to QRP Nirvana. I used
his parametric amplifier in late 1950's to feed my
gold plated 416's and hear my echo with 500 watts
and 4 bay 12 element yagis. With new technologies
it may be possible. I wonder if the path loss would
be a lot less if you worked the moon from the new
space station.

Don W4BWS

On Thu, 1 Jul 1999 00:17:50 -0400 (EDT) "Paul R. Valko"
<prvalko@oakland.edu> writes:
>Let me do something so wacky, it could only be done by W8KC... I'm
>gonna go out on a limb here and say two things:
>
>1) There has never been a QRP Moonbounce QS0.
>2) There never WILL be, a QRP Moonbounce QS0.
> -snip-
>You need to overcome 200 Db of path loss in an EME contact.
>
>73! =paul= W8KC

>Collector of Ten*Tecs and other fine plastics
><<http://www.acs.oakland.edu/~prvalko>>
>
>
>

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Thu, 1 Jul 1999 10:58:20 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-1@lehigh.edu
Subject: [44026] Moonlight Midnight Madness Mania Watch
Message-ID: <E10zi7H-0007KL-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Since the thread is started and since I thought about this one let me pass on the thought process.

On the moon is a set of "corner reflectors" placed there by one of the last man on the moon walks. Scientists use this reflector to bounce light off the moon and accurately measure the distance. Don't know how often.

Let me tell you how difficult this is going to be. First, the earth rotates. Secondly the moon is moving. So you must continuously move the laser direction and have an accurate aiming and tracking mechanism. But, the most important thing of all is that you have to account for refraction in the earth's atmosphere. The way you can estimate the effect is to go get something like "U.S. Standard Atmosphere, 1976" by NOAA and use the tables to generate a model of spherical zones with index of refraction for each zone. Using Fresnel Equations you can figure out the bending and using spherical trig figure out the path...

You get the picture. But one thing in your favor. You have a super computer on your desk, which is something you didn't have a decade ago. :-) So if you want to use your laser pen

pointer to do moon bounce you have your work cut out for you.

Hmmm, now where is that long/lat data on that reflector???
Had it just a minute ago.

:-) And since the reflector can only do 180 degree reflections
you can't work anyone else!!!! :-)

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Thu, 1 Jul 1999 09:10:02 -0700 (PDT)
From: Theodore Wong <wong_th@eng.printronix.com>
To: qrp-1@lehigh.edu
Subject: [44027] K2 Backlog
Message-ID: <199907011610.JAA07787@taz.printronix.com>

Hello All,

I'm starting to hear about all those K2's out there. Just wondering when those were ordered. I ordered mine on 3/8/99. Did I make the first run or do I have to wait for the second run? Did anyone receive one that ordered around the time I ordered mine?

Anxiously Waiting,

Tedd AB6CO

Date: Thu, 01 Jul 1999 12:17:57 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44028] copper clad laminate..
Message-ID: <377B94B5.D0777D6A@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hey everyone..

i still have a bunch of packages that i have packed in advance, and are waiting to go out the door...

so far, all orders have been shipped..

if anyone is interested, let me know, and i will get you taken care of...

for those of you who already have a pack of the stuff, i have a question..

i am thinking about making this offer to others outside qrp-l.. if i do this, i will be charging \$8 a pack, postpaid.. does this sound like a fair deal, or am i ripping people off?

as for qrp-l.. the deal will always be like it was.. preferential treatment, ya know?

--

peace,
sergio
<http://www.bright.net/~sruiz>
"the village buzz"

Date: Thu, 01 Jul 1999 09:52:32 -0700
From: Russ Dow <n7dw@garlic.com>
To: w1rfi@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44029] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
Message-ID: <377B9CCF.993EE5FC@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There ya go -- Antenna, antenna, antenna!

73, Russ N7DW

Ed Hare, W1RFI wrote:

> Chuck Adams K5FO wrote:
>
> > Maybe someone in this group can check with the people at
> > the largest dish in the world in PR and find out if they
> > have tried this little experiment.
>

> I recall reading that the Arecibo hams had used an HT on the array one
> day and heard clear echoes. I think I recall the power was 100 mw, but I
> may be mistaken on that.
>
> 73, Ed, W1RFI

Date: Thu, 01 Jul 1999 10:12:44 -0700
From: Russ Dow <n7dw@garlic.com>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44030] Re: Astron Power Supply Experience
Message-ID: <377BA18C.ECB97F73@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bill and the list --

I have been using the Astron SS-30 (unmetered) with my FT900CAT for the past year and a half. No problems observed at any power level, CW or SSB. The cooling fan cycles on/off as needed, but it's quiet. About the same level as the fan in my FT900. Although I'm not sure I'd recognize switching noise if I heard it, I can say I haven't noticed any weird noises on receive. I also use the rig mobile (direct connect to battery) and it sounds the same, so maybe that will tell you something. Last weekend the FT900 and power supply went to Field Day and performed nicely for the entire contest. Ditto last year, so as far as I'm concerned the power supply is doing a good job and doing it quietly.

Hope this helps -- I'll be watching for comments from others on the list.

73,

Russ Dow N7DW
Morgan Hill, CA

Bill Jones wrote:

> Friends,

>
> My faithful Astron RS-20A power supply is showing signs of old age. I
> am giving serious consideration to buying one of their new 30 amp
> metered switching power supplies (the SS-30M) to power my Kenwood
> TS570D(G). Has anyone here had any first hand experience with the
> Astron switching power supplies?
>
> --
> =====
> Bill Jones - KD7S <><
> Sanger, California
> <http://www.psnw.com/~kd7s>
> =====

Date: Thu, 1 Jul 1999 12:14:58 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: wd8civ@att.net
Cc: qrp-l@lehigh.edu
Subject: [44031] Re: Publish it!
Message-ID: <E10zjJS-0002B1-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Dave et.al.,

Dave said it and I'll second it. Just do it.

In fact, here's a deal for you. And others will
be glad to volunteer. Call it the "Writer's
Or Writee's" (WOW) elmering series.

You sit down and take the time to write an article
to be published somewhere --- ham radio related.
You very carefully read it, edit it, check your
dictionary for spelling, have the kids read it,
the significant other, the neighbors, the dogs,
the cats, the spiders, OK, you're all
alone. At least set it aside for a couple of
hours, take a walk, see a movie, and only then come back

to it and read it in one sitting from start to finish.
Did it look polished? Take out the keyboard and work on
the areas that need work. Don't touch the good areas...

Email the article to me. I'll read it and attempt
to help with English, syntax, and ask questions if
there is something that I don't understand or wonder
about. I'll then mail it back to you with my suggestions,
help, etc.

And here is the deal:

- o You'll never see me critique someone's work harshly.
I told the story about what an English teacher did to
me once. I'll never do that to another human being.
- o I'll not steal your ideas.
- o I won't do the work for you. I'll suggest and you do
it if you want. My advice is free. :-)
- o If I've seen something like it before I'll try to
reference it back to you. Sometimes the work has already
been done before, but you may have a new twist on the topic,
etc. And there is always 25% of the people in the audience
that have never seen it. Besides, you have better graphics
and publishing tools than they ever had even a few years ago.
- o I don't know everything, but am willing to invest the time and
effort and if you learned me something (sic) then it were good. :-)

I'm sure that others will be glad to review your work. If you
have something and want a reviewer, just ask the group. Might
help if you hint at the area --- contesting, receivers, transmitters,
xcvr, propagation, etc. So some "expert" or interested party will
jump up and help you.

A lot of the editors for the magazines and newsletters are members
of QRP-L. They'll be glad to look at it, but they'll want first
rights to publish it for their work and they should get it.
And don't take rejection personally. The best authors have been
refused publication of their work. Try somewhere else. We've all
heard the stories of success after many failures....

As LB smartly worded in his post. Writers block is common to everyone.
The greatest fear that most people have today is that some (*&(@*&#/\$
is gonna jump up outta the weeds and critique it with their super
duper flame thrower. As most of us will and can tell you, ignore

them. The ones who yell the loudest are usually the ones that have published the least and don't have a clue as to what doing something constructive is all about... :-) How is that for starting another flame war.... It's the age of the net-police and spell checkers.

And I've noticed at HB contests. The guy that won and did the best work. You don't see that individual going around ridiculing the other entries. One: they usually have more class than that, but Two: they understand the time and energy required and they remember when they first started. They are a kinder gentler group of individuals. They are the ones to comment first on the good stuff and then offer hints on areas of improvement. That is the job of a reviewer and an editor. It is a win-win situation. IMHO.

And I can tell you that every magazine and newsletter is looking for authors. Aim high. How about QST? QQ? QRPp? The Low Down? and the list goes on and on. A side effect of growth in any hobby is that the quest for knowledge and information grows exponentially. More. More. And I know for a fact that a lot of topics never get covered by the "experts" 'cuz they don't have the time or don't think about it.

I received in yesterday's mail "QRP-REPORT - Zeitschrift der Arbeitsgemeinschaft QRP und Selbstbau" a German publication for QRPers. Larry East, W1HUE/7, had his article from the QRP Quarterly translated into German. "Modifikationen und Verbesserungen fur den QRP-Plus-Transceiver" The modifications and improvements for the QRP-Plus.

Also a nice article on PSK31 in German.

So you never know how many times an article will be translated and printed around the world. I've gotten reprints of stuff about QRP-L in a number of languages from numerous magazines and newsletters.

My recommendation and that of others is to take the first step and ask for help where you need it. There are many here to help you. I'll be in the grandstands cheering for you. Get off the bench and carry the ball. Set a goal and achieve it. Go watch Mr Rogers and Sesame Street and get inspired.....

And think about something that you have done and know something about. No matter how trivial it may seem. Start out with one page articles. They are jewels on the beach for a lot of us.

Coach Adams,

dit dit

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Thu, 1 Jul 1999 17:29:45 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [44032] dead horse
Message-ID: <009c01bec3de\$f0365080\$e642b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, its time to put 'solder' in our mail filters for a few days while this one runs its course, AGAIN!
Steve Sorrell, W8SFF

Date: Thu, 1 Jul 1999 10:09:36 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "QRP-L List" <qrp-1@Lehigh.EDU>
Subject: [44033] Re: Field Day Lessons
Message-ID: <01bec3e4\$7f406900\$0100007f@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

"if your timing is accurate, you can work all three guys calling CQ on the same frequency at the same time and not have to repeat anything"

Beautiful, Don. :-)

73, Bob N6WG

Date: Thu, 1 Jul 1999 09:30:36 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <hosinsky@jet.es>

Cc: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [44034] ARD vs SPICE
Message-ID: <01bec3df\$0c11f7a0\$0100007f@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Goran

I use both programs myself. I prefer ARD (ARRL program) for passive filter work, as it has a superb graphic display of results. I don't find it easy to use for active circuits, however. For those, I use Electronic Workbench. It has access to all the SPICE device models out there, in particular the library that Chuck Adams K5FO has assembled on his web page.

So I guess it's a case of choosing the tool that is best for the task you have in mind.

73, Bob N6WG

Date: Thu, 1 Jul 1999 09:22:39 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <wa8mcq@erols.com>
Cc: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [44035] HW-8 Lights
Message-ID: <01bec3dd\$f054f180\$0100007f@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike

If N4NMR wants to be a bit "cool", he could use one of the new "white" LEDs. Still a bit pricey, around \$4, but they will come down. What a neat backlight that would make.

73, Bob N6WG

Date: Thu, 1 Jul 1999 10:20:45 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: "QRP-L List" <qrp-l@Lehigh.EDU>

Subject: [44036] Re: Collapsible Antenna Poles
Message-ID: <01bec3e6\$0d9278f0\$0100007f@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This FD I used a 35 ft mast made up of two sections of Radio Shack 10 ft TV mast sections, topped by a 15 ft collapsible pool cleaner handle of aluminum. A bit bendy, so had to add guys near middle, as well as the planned guys at top. Held up one end of a 40m EDZ and a 40m dipole.

Worked well enough, I'll use it again next year, but with a better thought-out guying system.

: -)

73, Bob N6WG

Date: Thu, 1 Jul 1999 12:26:23 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: n7dw@garlic.com
Cc: qrp-1@lehigh.edu
Subject: [44037] Re: Moonbounce QRP "Miles-Per-Watt" QSOs
Message-ID: <E10zjUU-0008TQ-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

On 1 Jul 99, at 9:52, Russ Dow wrote:

> There ya go -- Antenna, antenna, antenna!
>
> 73, Russ N7DW
>
> Ed Hare, W1RFI wrote:
>
> > Chuck Adams K5FO wrote:
> > --SNIP SNIP--

Russ,

Did you not listen to the DNL thread or was that in your delete filter.... :-) ;-)

With Dummy Load Night did this group not prove beyond
a shadow of a doubt that the antenna is everything???

Can you tell where my largest investment in AZ is going
to be other than the site and shack? Can you say "Buy
Force12 Stock"? I knew you could.....

;-)

. . <----- dit dit as it sounds from a dummy load :-)

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Thu, 1 Jul 1999 10:42:04 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [44038] IRN (Inefficient Radiator Night)
Message-ID: <19990701174204.6890.rocketmail@web112.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well, I've often wondered about doing this kind of
thing. I've even made IR's by using wire
or coax and placing a 50 ohm resistor at one end and
the radio at the other. They work - to
a point - I tried it on a pair of 4W CB HT's I was
able to get about 200 yards line-of-site
but place three houses in the way & we got nothing. (I
was doing this for a reason, I'm trying
to make an IR CB antenna so the kids can use them
during VBS - vacation Bible school -
and NOT hear or interfere anyone else but still be
able to TX & RX between themselves.)

This initial design was not good enough so I made a 1
foot long antenna with 9 feet of wire
coiled around the one foot long 1/4" dia PVC pipe.
This works very well, possible too well but
we'll have to see. It gets through 200 yards & three
houses just fine.

I've also done this for other antennas where I could
not use an ATU. So, here's my initial ideas
about these antennas: (1) 300 ohm twin-lead about 100
feet long with a 50 ohm resistor

connecting the wires on one end & the radio on the other. (2) A random length wire loop with a 50 ohm resistor on one end to the shield connection & the other end to the center on the rig.

The reason is that we don't "waste" any wire here we just use it for a bit & then put it away when it works (or doesn't).

72 & 73 de KE3FL
Phil

===

Phil K
home: ke3fl@juno.com
Alt: ke3fl@yahoo.com
Reflectors: ke3fl@arrl.net and ke3fl@qsl.net
Web: <http://www.qsl.net/ke3fl>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 01 Jul 1999 17:44:53 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [44039] Re: Publish it!
Message-ID: <19990701174500.0BIC3470@webmail.worldnet.att.net>

> In fact, here's a deal for you. And others will
> be glad to volunteer. Call it the "Writer's
> Or Writee's" (WOW) elmering series.
>
> You sit down and take the time to write an article
> to be published somewhere --- ham radio related.
> You very carefully read it, edit it, check your
> dictionary for spelling, have the kids read it,
> the significant other, the neighbors, the dogs,
> the cats, the spiders, OK, you're all
> alone. At least set it aside for a couple of
> hours, take a walk, see a movie, and only then come back
> to it and read it in one sitting from start to finish.

> Did it look polished? Take out the keyboard and work on
> the areas that need work. Don't touch the good areas...
>
> Email the article to me. I'll read it and attempt
> to help with English, syntax, and ask questions if
> there is something that I don't understand or wonder
> about. I'll then mail it back to you with my suggestions,
> help, etc.

Chuck,

May I sweeten the deal a bit? Give me a couple of days, and I'll send you an article, "How I Got My Name In Print," for you to critique. I'll write up how I got off my duff and got an article published. Once we're both satisfied with it, I'll put it on the Web and post the URL here.

Dave, WD8CIV

Date: Thu, 01 Jul 1999 17:39:31 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [44040] Re: Publish it!
Message-ID: <19990701174826.UPEA3244@webmail.worldnet.att.net>

> And I can tell you that every magazine and newsletter is looking for
> authors. Aim high. How about QST? QQ? QRPP? The Low Down? and
> the list goes on and on.

Here's one more bit of incentive - a few of the big rags pay REAL MONEY for material.

> A side effect of growth in any hobby is that
> the quest for knowledge and information grows exponentially. More.
> More. And I know for a fact that a lot of topics never get covered
> by the "experts" 'cuz they don't have the time or don't think about it.

...or maybe didn't think it was noteworthy enough.

Case in point: Electronic Design News (EDN) Magazine publishes a monthly column called Design Ideas. It's sort of a "Hints and Kinks for the Professional Electronics Engineer." You'd be astonished at some of the simple ideas that they publish. For example:

<http://209.67.241.58/reg/1994/010694/01di4.htm>

Not many people would think this was a useful submission to a magazine like EDN, but apparently the editors did. (So did I, but what do I know?)

Dave, WD8CIV

Date: Thu, 01 Jul 1999 10:50:12 -0700
From: Jay & Jackie <jayboy@bendnet.com>
To: qrp-1@lehigh.EDU
Subject: [44041] RE: K2 Order
Message-ID: <3.0.1.32.19990701105012.006a3ab0@mail.bendnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi:

Ordered my K2 on 1/23/99 and no rig yet....Guess you have a while yet.

73, Jay W6JDB/7 Bend, Or

Date: Thu, 01 Jul 1999 10:58:42 -0700
From: Bill Jones <kd7s@psnw.com>
To: n7dw@garlic.com, qrp-1@lehigh.edu
Subject: [44042] Re: Astron Power Supply Experience
Message-ID: <377BAC52.CF016271@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to Russ for his report. Based on this and what others have said I placed an order with AES this morning for the SS-30M (metered version). I appreciate everyone's input and am comfortable with my decision.

Russ Dow wrote:

> Bill and the list --
>
> I have been using the Astron SS-30 (unmetered) with my FT900CAT for the
> past year and a half. No problems observed at any power level, CW or
> SSB.

<snipety snip>

> --

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 01 Jul 1999 11:08:54 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [44043] Ft Tuthill Symposium
Message-ID: <199907011801.LAA22512@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, it's getting closer to Ft Tuthill, and the door prizes are starting to roll in.

So far, we have a Red Hot rig from Dave Fifield of Red Hot Radio (don't know if it's 20 or 40, tho), a Norcal 20 from the Northern California QRP Club, a compact iambic key/keyer with knee mount from Bob Hammond of The Paddlette Company, a SuperTICK keyer kit and a TICK-4 EMB from Brad and Gary, the TICK guys at Embedded Research, two VE3DNL marker generators from Jay Bromley and the ARQRP Club, and some other surprises. Each time the mail guy comes, I get excited about what he has for us.

So, plan on coming up to the cool pines of Flagstaff, Arizona for the weekend of July 23-25 and join us at the QRP Symposium. Great speakers, great door prizes, and fun to be had for all.

Please stop by the web page at <http://www.extremezone.com/~ki7mn/tut99.htm> for more details, and go down towards the bottom of the page to PRE-REGISTER.

Hope to see you all there.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Thu, 1 Jul 1999 14:15:19 EDT
From: EBikales@aol.com
To: qrp-l@lehigh.edu
Subject: [44044] Row boats and Battleships
Message-ID: <3ac4b261.24ad0a37@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear Fellow QRPers,

I would like someone to explain to me why the digital-guys insist on using 14.040. Are we just kidding ourselves when we refer to this as the 20M QRP calling frequency? If we think it is, then why don't they? Are we not all hams, bound by common "rules of the road"? I hear digital signals all the way to 14.080 which is as far as my dial goes. That's a fairly decent spread, so why must they operate on the sub-bands edge when it is designated for QRP?

The impetus for this posting is that I just had two QSOs stepped-on and obliterated by a digital op. It seemed that he didn't even bother to check the frequency before transmitting. I understand that sometimes, and perhaps especially with QRP, one might not detect a QSO in progress owing to propagation, but why would they not respect the fact that that frequency is supposed to be for QRP use---and simply stay off it?

It so happens that I do most of my operating and DX-chasing from 14.0 to 14.025, but it's nice to have "sanctuary" at 14.060. I really enjoy QSOs with other QRP ops, and 14.040 an ideal place to experiment with rigs that output less than 5 watts. I'm very dubious that row boats and battleships can occupy the same harbor....

Am I missing something here? What could be the reason for this seeming lack of respect for each other? Please enlighten.

72,

Eric Bikales AC6NT

Date: Thu, 1 Jul 1999 14:22:35 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-l@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [44045] Re: Publish it!
Message-ID: <199907011824.0AA01580@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I write the Idea Exchange column in the QRP Quarterly, and have handled a lot of articles for that over the years, as well as larger, stand-alone articles from time to time. My inputs have ranged from fully spell checked, grammar checked and formatted Microsoft Word files ready to cut and paste down to handwritten articles on yellow legal paper; things come in by paper, disk, e-mail, etc; schematics and drawings have also been in all sorts of different formats too, from hand drawn to files that only needed to be cut and pasted. Some things are easier and quicker to handle than others, but I'm glad to get all of it.

The bottom line is that we don't care how you get it to us; myself as well as the technical and features editors will take anything we get, reformat, correct, redraw, whatever is required to get it into print. The important thing is to get the material into print and share it with the rest of the QRP community. Floppies or e-mail with fully formatted and drawn articles are nice, but don't worry if you can't do it that way or don't have a lot of time to put into it. The important thing is to get it into the hands of some QRP journal somewhere, and let them worry about it.

Send it to the QRP Quarterly (I have a natural bias), or to QRPP, or the Low Down, or The Fiver Watter or whatever other QRP journal you prefer, but whatever you do, get it out to the QRP community and let us all benefit from your expertise and experiences. And don't be surprised if someone contacts you later to allow reprinting it in some other QRP journal. (Just don't send the same thing to several different journals at once; that's a universal no-no.)

The QRP Quarterly and QRPP are both stuffed to the gills with good QRP info every time, and we have a lot of folks to thank for that, but both of them can always use more!

73 and queue our pea DE WA8MCQ

Date: Thu, 01 Jul 1999 14:23:49 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [44046] Happy Birthday Canada
Message-ID: <377BB233.BF8E6E1E@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just want to take the time out to wish all a very Happy Canada

day...Hope lots of fireworks for all to see.....Also will take this time to wish our friends across the border a very good long weekend,as the July 4th festivities will begin.....Spent many long weekends along the border of Fort Erie and Buffalo taking in the 4 days of the Friendship festival along the Niagara River.....Well all take it easy,and those in the Canada Day contest good luck...15 metres is open to Alberta at this time(18:15 z).just heard VF6JY and VE6SV with nice signals in the ssb band.....
Take it easy all

72 Fred VE3FAL

You can do so much with so little...

Date: Thu, 01 Jul 1999 11:28:14 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: jayboy@bendnet.com
Cc: qrp-l@lehigh.edu
Subject: [44047] RE: K2 Order
Message-ID: <199907011820.LAA27747@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:50 AM 7/1/99 -0700, you wrote:

>Hi:
>
> Ordered my K2 on 1/23/99 and no rig yet....Guess you have a while yet.
>

Nothing here, either. Wish we had a list, or could get 'our' number so we could see where we stand, tho.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Thu, 1 Jul 1999 13:53:26 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [44048] Surprise Visiter
Message-ID: <199907011836.OAA11506@moose.ncia.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Can't believe it, just had a short visit by none other than Doug Hendricks, here at the shop!

Apparently, he and his wife are traveling around New England and found their way into my part of the woods, so they stopped by to say hello.

Needless to say, his visit made my day :-)

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 01 Jul 1999 14:35:40 -0400
From: david fouchey <dafouchey@home.com>
To: wd4et@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44049] Re: NFL
Message-ID: <377BB4FC.4B9D0C82@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NOW ya say something Jeff, after I move to Detroit from Jax! Moved up here in January, used to live over in Arlington right off the expressway. How is Jax doing these days?

Dave
WA4EMR

"Jeffrey L. L. Greer" wrote:

>
> Hi Art,
>
> >> qrp activity in Northeast FL
>
> I set up a table for qrp at the Jax Hamfest last year. About 15 hams
> signed the log. There are several people interested. We need to have a
> lunch get together Norcal style at a restaurant one Sunday afternoon
> soon. My K2 is at my office. I have been in Tampa for the last several

> days and haven't had time to pick it up. It should make a nice show n'
> tell item.
>
> Let me know which weekend would be good for you and we'll see how many we
> can get together.
>
> 72, Jeff WD4ET in Jax, FL
>
> PS. Landline number is: 904-292-1025 (Tell Debbie it's qrp stuff)
>
> -----
> Get the Internet just the way you want it.
> Free software, free e-mail, and free Internet access for a month!
> Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 01 Jul 1999 13:39:55 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: ku7y@dri.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [44050] Hobby Writing (was Publish it!)
Message-ID: <3.0.2.32.19990701133955.006d93d0@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-L Writers,

I'd like to share some comments on this one with Ron et al.

Just Do It!

Almost everyone who participates in a hobby has a pet idea, gimmick, or project. Something you can share with others enjoying the same hobby. Write it up and send it in to the magazines related to your hobby.

As Ron points out, you don't have to have Scientific American level writing skills to submit articles to most hobby publications. The problem most often encountered is not knowing where to start or how to say it correctly. This old saw can help:

Tell then what your going to tell them,

Tell them,

Tell them what you told them.

Editors for the publications can be most helpful. They will often guide you along with the development of your piece. Look at articles in the

publication of interest. Pattern you piece after the ones you find there.

I had always wanted to write articles about things I did during the early my early DIY days in amateur radio. Never got around to it and often saw an article somewhat later by someone else who wrote about what I had done. I finally started writing articles about my first computer (a single-board 6502) and sent them into a low-budget hobby newsletter. To my surprise and delight, they were published. I kept going and eventually wrote the Apple Cart column in Creative Computing magazine for about 3 years. My only claim to fame 8^)...

More importantly, my hobby writing got me into the technical writing business. Technical writing became my career into retirement and still helps me buy a few extra goodies from easily obtained part-time work.

Become a *vicarious* Elmer. Write something to share with others who also enjoy your hobby and interests.

72/73 Chuck - W5USJ - EM22cv - Rains County - Point, TX

Date: Thu, 01 Jul 1999 18:51:31 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [44051] Re: Publish it!
Message-ID: <19990701185212.PGAJ3470@webmail.worldnet.att.net>

> >May I sweeten the deal a bit? Give me a couple of days, and I'll
> >send you an article, "How I Got My Name In Print," for you to
> >critique. I'll write up how I got off my duff and got an article
> >published. Once we're both satisfied with it, I'll put it on the
> >Web and post the URL here.
>
> If you don't mind, you might publish the first draft as well as the final
> version, so we can see the editing process at work. Or even work on it in the
> open (i.e., in public on the list?)?

Marty,

Now that's an interesting idea. We probably should do it in HTML on a Web site for a couple of reasons:

- 1) Bandwidth conservation on QRP-L
- 2) Markup would be more visible - Chuck could use color to highlight things.
(After all, the M in HTML stands for Markup)

Whattaya think, Chuck? Shall we show them how this works?

Dave, WD8CIV.

Date: Thu, 1 Jul 1999 12:41:34 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <n7dw@garlic.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [44052] Re: Astron Power Supply Experience
Message-ID: <199907011852.MAA28517@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I aalso have used the same power supply for the past year both in the shack
and in the motor home and no problems and no noise 72 Cal KF7ET

> From: Russ Dow <n7dw@garlic.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Re: Astron Power Supply Experience
> Date: Thursday, July 01, 1999 10:12 AM
>
> Bill and the list --
>
> I have been using the Astron SS-30 (unmetered) with my FT900CAT for the
> past year and a half. No problems observed at any power level, CW or
> SSB. The cooling fan cycles on/off as needed, but it's quiet. About the
> same level as the fan in my FT900. Although I'm not sure I'd recognize
> switching noise if I heard it, I can say I haven't noticed any weird
> noises on receive. I also use the rig mobile (direct connect to battery)
> and it sounds the same, so maybe that will tell you something. Last
> weekend the FT900 and power supply went to Field Day and performed nicely
> for the entire contest. Ditto last year, so as far as I'm concerned the
> power supply is doing a good job and doing it quietly.
>
> Hope this helps -- I'll be watching for comments from others on the list.
>
> 73,
>
> Russ Dow N7DW
> Morgan Hill, CA
>
>

>
>
> Bill Jones wrote:
>
> > Friends,
> >
> > My faithful Astron RS-20A power supply is showing signs of old age. I
> > am giving serious consideration to buying one of their new 30 amp
> > metered switching power supplies (the SS-30M) to power my Kenwood
> > TS570D(G). Has anyone here had any first hand experience with the
> > Astron switching power supplies?
> >
> > --
> > =====
> > Bill Jones - KD7S <><
> > Sanger, California
> > <http://www.psnw.com/~kd7s>
> > =====
>
>
>

Date: Thu, 1 Jul 1999 15:04:55 EDT
From: Robspark@aol.com
To: qrp-l@lehigh.edu
Subject: [44053] Antenna wire at Fair Radio
Message-ID: <263cc1e4.24ad15d7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Folks,

As anyone bought and used the antenna tether wire in the Fair Radio catalog, cat #seb-400x3? If so, I would appreciate your comments on it flexibility and usability for a portable dipole for backpacking. Is the wire copper or steel? Is it solderable? Please reply to the list, as I think others might be interested as well. This wire is listed in the most recent Fair Radio catalog on page 9. A 306 ft spool of the #22 size wire weighs 3 pounds and costs \$12.95.

Thanks,

Bob AB5ZD

Date: Thu, 1 Jul 1999 15:13:34 -0400
From: Andy C Meng <andymeng@juno.com>
To: qrp-1@lehigh.edu
Subject: [44054] Re: Publish it!
Message-ID: <19990701.151339.15054.1.andymeng@juno.com>

>>Case in point: Electronic Design News (EDN) Magazine publishes a monthly column called Design Ideas. It's sort of a "Hints and Kinks for the Professional Electronics Engineer." You'd be astonished at some of the simple ideas that they publish. <snip> <<

I had an idea for an LED blinker using logic gates, but my dad said they wouldn't work, so he helped me with a better method. We finally came up with a simple circuit using only four parts, however, one of those is an RS blinking LED. I built one and it worked fine. My dad hung it up at work with a fundraiser pledge sheet. I got something like \$100 from that for school. Then a few months later my dad showed me in the EDN design ideas a design for an led blinker that had six part, including the RS flashing led, which used two transistors. I said hey, I could publish mine and get 100 bucks. So I did. It didn't take too long to do, and they wrote me a letter saying they would publish it. Included was a 100 dollar check. Then I thought, wow, it sure would be nice to have another hundred dollars from being the issue winner, but I knew some of the other ideas were better. I almost forgot about it when a few months later another check for 100 dollars came. Anyway thats the story of how I was published in the EDN design ideas.

here's the (very short) article:

<http://209.67.241.58/reg/1998/032698/07di.htm>

To all those thinking about this I say: Go for it! Its a good way to be

published and
get some money, too. You could get a DSW or emtech rig with that. Or 2
ZM-2's :-)

Andy KC8KFI
QRP-L #1813 Cincinnati, OH Total HF CW QRP contacts: 24
e-mail: andymeng@juno.com URL: <http://www.qsl.net/kc8kfi/>
SW-40+ running a watt or two into a Dipole at 24ft. and straight key

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 1 Jul 1999 14:17:44 -0500
From: "Bob Reynolds" <breynold@SIGG.COM>
To: <EBikales@aol.com>, <qrp-l@lehigh.edu>
Subject: [44055] Row boats and Battleships -Reply
Message-ID: <99Jul1.142616cdt.155039@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

14.060 is a QRP frequency only by "Gentlemen's agreement"

Problem is, some people are not "gentlemen"

73, Red K5VOL.

Date: Thu, 01 Jul 1999 12:36:43 -0700
From: Bill Jones <kd7s@psnw.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44056] Re: Row boats and Battleships
Message-ID: <377BC34B.7822C46@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Eric,

The generally accepted 20 meter QRP calling frequency is also the generally accepted digital DX calling frequency. The frequency doesn't belong to anyone or any specific group. Your statement, "but why would they not respect the fact that that frequency is supposed to be for QRP use---and simply stay off it?" would be just as valid from the digital operators point of view if you were to substitute RTTY or Pactor for QRP.

Consider this. The problem is compounded by the fact that neither operator, QRP nor digital, moves off the *calling* frequency after they have established contact. Perhaps we would experience less difficulty if we were to treat a calling frequency as just that, a calling frequency.

Eric, I know you're angry and frustrated, but let's be careful not start another *us vs. them* flame war. I've worked both sides of the fence and know how exasperating it can be to be QRM'd, no matter what the source.

--

=====
Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s>
=====

Date: Thu, 1 Jul 1999 15:37:35 EDT
From: EBikales@aol.com
To: qrp-l@lehigh.edu
Subject: [44057] Row boats and Battleships
Message-ID: <fed82679.24ad1d7f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear Fellow QRPers,

Well, it certainly didn't take long for responses to my comment about the use of our QRP calling freq. Unfortunately, I meant 14.060, not 14.040!!! -also unfortunately, my complaint still stands. I really do appreciate your responses, and

hope eventually to bring this issue to a wider audience. Thanks.

Eric Bikales

AC6NT

Date: Thu, 1 Jul 1999 12:12:00 -0700
From: "Glenn & Erin Maclean" <maclean@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>
Subject: [44058] MC68HC705C8P CMOS Keyer chip pre programmed
Message-ID: <007d01bec3f5\$9db8f260\$27f9d6ce@cessna.texttron.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Can anyone tell me if the MC68HC705C8P CMOS preprogrammed keyer chip is still available and if so who do I contact to get one?
TNX Glenn WA7SPY

Date: Thu, 1 Jul 1999 13:38:52 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Bob Hightower <ki7mn@extremezone.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44059] Re: Ft Tuthill Symposium
Message-ID: <Pine.SUN.4.10.9907011326510.29003-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bob,
Thanks for the nice update on Ft. Tuthill, and boy -- did it make me feel better. It's already above 100 degrees here again today, and this desert heat does get you down day after day. And for some reason, the humidity has been fairly high for us, over 30%! Like living in a sticky blast furnace. The images of the cool tall pines at Flagstaff cooled me down a bit. By July 23-25, it will be a welcome reprieve to get there! Maybe we can have a dress rehearsal

there this weekend? hi.

For those fairly close to Flagstaff (which for us out in the west means within 800 miles or so!) who have never been to the Ft. Tuthill hamfest, give it a try. It really is a nice location on the foot of the San Francisco Mountains, out of the desert floor, mid-80's instead of triple digits, and approaches darn-near chilly at night. But it is also a nice hamfest as well with plenty of QRP activities and QRPers in attendance from the surrounding states. No concrete jungle here, very informal, you'll truly enjoy it. So think about making it ... we'd sure like to see you there. The Az ScQRPions are a great bunch of fella's that really do work hard for the activities.

72, Paul NA5N
Have tent, will travel.

Date: Thu, 1 Jul 1999 15:45:02 -0400
From: "Al Gritzmacher " <ae2t@localnet.com>
To: qrp-l@lehigh.edu
Subject: [44060] Re: DUMMY ME !!
Message-ID: <199907011941.PAA03443@mx2.localnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Boy, this is as much fun as the Poisson d'Avril contest! :-)

72, -- Al Ae2T

On 30 Jun 99, at 19:03, qrp-l@lehigh.edu wrote:

> From: Michael Bower <bowerm@ix.netcom.com>

>

> Ooh, I think I may be near the top as well. I'm multi-op,
> multi-NON-transmitter (since this was not in the novice band (i know, I
> know, don't raz me<g>), I had to use a NON-transmitter for last nights
> contest. I was also multi-op as at least 3 people said "What in the
> world are you listening to?" so they must have heard it as well. (See,
> I wasn't hearing/non-hearing things.) Even Sam, the mutt, was paying
> attention. Is that another op?

>

> Where's my certificate??????? I'm ready to put a authenticated,
> authorized copy on ebay so I can become RICH. (No pun intended, Rich.)
>
> Michael - N4NMR
>
>
> Bob Patten wrote:
> >
> > On Wed, 30 Jun 1999, Walter D. Amos wrote:
> > >
> > > 0 points
> > > 0 mults
> > >
> > > = CAPTAIN ZERO !!
> > >
> > Looks like we're tied for first place so far. Oh, I forgot, we're
> > probably in different categories - I'm multi-op, multi-transmitter. My
> > second op (who copies no CW) heard nothing but sidetone...
> >
> > 73,
> >
> > Bob Patten, N4BP (0 0) Plantation, FL

=====
73,

Al AE2T
ae2t@arrl.net
<http://members.localnet.com/~ae2t/>

Date: Thu, 01 Jul 1999 15:49:18 -0400
From: david fouchey <dafouchey@home.com>
To: breynold@SIGG.COM
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44061] Re: Row boats and Battleships -Reply
Message-ID: <377BC63E.1B569422@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

As I recall from reading historical reports from the Pacific in World
War 2 Mosquitos (PT Boats) sank several Battleships (Or at least heavy
cruisers!) through sheer perseverance ! <G>

Stick it out perhaps it will dawn on them when WE keep showing up that they are stepping on some little guys and in time move on.

Dave

WA4EMR

Bob Reynolds wrote:

>
> 14.060 is a QRP frequency only by "Gentlemen's agreement"
>
> Problem is, some people are not "gentlemen"
>
> 73, Red K5VOL.

Date: Thu, 1 Jul 1999 12:54:40 -0700
From: "Andreas Junge" <andreas@atltech.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [44062] RE: K2 Order
Message-ID: <NCBBICGFKJGGDJBAAKB00EDPDEAA.andreas@atltech.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I suggest you contact Elecraft (or Eric) directly at

radios@elecraft.com

Andreas, N6NU
Menlo Park, CA

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Jay & Jackie
> Sent: Thursday, July 01, 1999 10:50 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: K2 Order
>
>
> Hi:
>
> Ordered my K2 on 1/23/99 and no rig yet....Guess you have a
> while yet.
>
> 73, Jay W6JDB/7 Bend, Or

Date: Thu, 1 Jul 1999 14:04:10 -0600
From: "Carl Zmola" <zmola@campbellsci.com>
To: pierce@rice.edu
Cc: qrp-1@lehigh.edu
Subject: [44063] Re: How about a general coverage Rcvr.
Message-ID: <19990701200335855.AAB199@carl-zmola>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> Folks, I'm 53 and I was in the younger third of the QRPers at HamCom. The
> QRP community comendably put the third world on 20 meters, why shouldn't
> that same community make a first radio for youngsters/beginners. How about a
> reasonably easy kit radio to introduce the magic of short waves the younger
> people our hobby needs.

I agree with the idea of a kit, but as for lack of youngsters in ham
radio, don't despair. Us youngsters can't afford to go trouncing off
across the country. Its just like that. Also, if you get on HF
durring the day, it seems like all of the operators are retired.
Hmmm maybe thats because the rest of us are working.

The internet seems to take some of the romance of it out for the
youngsters too. Watch a teenage girl on the chat rooms.
Following 3 conversations at once an fireing off responses to each.
It's like working a pileup.
I don't know what the solution is, but the allure of global
communication is lost on Generation Internet.

Carl
zmola@campbellsci.com

Date: Thu, 1 Jul 1999 14:59:15 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [44064] Remedial Metal Working :^)
Message-ID: <003601bec3fc\$b3fe8790\$57e498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangsta's:

I have an idea, and I was wondering if anyone who has done something like this before could give me some advice. Here goes nuttin' :^)

I found an enclosure in the attic the today, while looking for some old ham rags, and the first thing that came into my mind was "chassis." The enclosure is a QSL-sized filing cabinet that's 6.5" in width, 5.5" in height, and 16" in depth. The front of the thing has a "U bracket" for a handle, and a slight tug pulls the drawer out, stopping with about two inches of the drawer left inside.

What I'd like to do is put a couple of transmitters and receivers in this enclosure. If I did it this way, I wouldn't have all of these homebrew rigs laying all over the place and getting in the way :^).

The major draw-back with the thing is that it is light weight; thus, it's flimsy and probably couldn't support the weight of an internal power supply, and if I drilled the thing it would probably dent from the pressure.

Anywho, with these flaws in mind, I was thinking about building a wooden template for thing for the exterior and backing the interior up with a wooden drill block. Will this work? Is there a better way of doing this? Should I mount the power supply inside the thing or add some exterior banana jacks and keep the power supply external? Any help will be greatly appreciated!

73

Randy Jouett, AB5NI

Date: Thu, 01 Jul 1999 14:24:20 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: qrp-l@Lehigh.EDU
Subject: [44065] Capacitor Tests

Message-ID: <377BCE73.BC8BDCE0@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy

I was able to get temporary custody of a massive HP 4275A Multi-Frequency LCR Meter. So, I used the opportunity to evaluate several different types of 1000pF capacitors. Here are the results:

Type	Measured Value	Freq.
C0G Cer	1035pF	4MHz
.01		
Polyester	1060pF	4MHz
.016		
Polystyrene	1054pF	4MHz
.0007		
Silver Mica	1048pF	4MHz
.0009		
C0G Cer	1400pF	10MHz
.043		
Polyester	1334pF	10MHz
.018		
Polystyrene	1441pF	10MHz
.003		
Silver Mica	1386pF	10MHz
.003		

All of these are pretty fair capacitors, but these measurements do not tell all the story. Changing the feedback capacitor in Kitchin's regen from a polyester film to a polystyrene cap resulted in a substantial improvement in stability (smoothness of regeneration control) and clarity of the demodulated signal.

I did not evaluate these caps for temperature stability. That, of course, is still another story.

Bruce kk7zz

Date: Thu, 1 Jul 1999 16:58:36 -0400
From: "Franco, Nicholas J" <franco@bnl.gov>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [44066] Transister Question - Quickie!
Message-ID: <698DB793D712D31180B600902746422D17C34A@exchange01.bnl.gov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I want to build a little interface cable from the laptop serial port to the key jack on the rigs for contesting. It calls for a 2n4400 transister. I have 2n4401 but can find a 2n4400. Is it a PNP or an NPN and can I just use a 2n3904 or 2n3906 instead?

Thanks for the help
Nick - kf2ph . .

Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY
Systems Administrator RHIC Project Building 1005
Tel: (516) 344-5467 UPTON, NY 11973-5000
Fax: (516) 344-3674 Ham Call: KF2PH
Email: nickf@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

Date: Thu, 01 Jul 1999 21:11:34 +0000
From: wd8civ@att.net
To: qrp-l@lehigh.edu (QRP-L Mailing List)
Subject: [44067] Re: Remedial Metal Working :^)
Message-ID: <19990701211230.RUKX3470@webmail.worldnet.att.net>

> The major draw-back with the thing is that it is
> light weight; thus, it's flimsy and probably couldn't
> support the weight of an internal power supply, and
> if I drilled the thing it would probably dent from the
> pressure.

Switching supplies are pretty light weight. Maybe that would help?

> Anywho, with these flaws in mind, I was thinking
> about building a wooden template for thing for
> the exterior and backing the interior up with a
> wooden drill block. Will this work?

Sounds good to me, but I'm neither a metalsmith nor a woodworker.

> Is there a
> better way of doing this? Should I mount the
> power supply inside the thing or add some exterior
> banana jacks and keep the power supply external?

Internal PS = more heat in the box. If that's not a problem,
I think your idea of reinforcing the thing with wood sounds OK.
(If you -do- investigate a switching supply, remember that they
can cause RF noise.)

It sounds like a neat idea - sort of a spy radio. Hmmm... I'll bet
nobody would notice a file box on my desk at work. And there's this
nice big water pipe going through the floor. Make a heck
of a ground... hmmm...

Good luck, and let us know how it works out!

Dave, WD8CIV

Date: Thu, 1 Jul 1999 14:20:11 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: qrp-l@lehigh.edu (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada)
Subject: [44068] [Kenwood] Fair price for matched 6146B's?
Message-ID: <199907012120.0AA17810@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Reply-To: Paul Erickson <paule@sfu.ca>

I have some new, sealed in the box, matched pairs of
Svetlana 6146B's. Anyone know what a fair price would be for
them? I checked the Svetlana site, and they no longer list them.

If anyone is interested in them, let me know.

cheers, Paul - VE7CQK - email: paule@sfu.ca

Date: Thu, 01 Jul 1999 16:34:16 -0500
From: mjfitz@uswest.net
To: qrp-l posts <qrp-l@Lehigh.EDU>
Subject: [44069] KI0AF new call
Message-ID: <377BDED8.FD797A2B@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ops--

For those that care...I will hereby be known as N0MF. Easily remembered, no?

Mike Fitzgibbon Mo. Valley IA
ex-KI0AF

Date: Thu, 1 Jul 1999 14:37:51 -0700
From: "Cam Hartford" <camqrp@cyberg8t.com>
To: <qrp-l@lehigh.edu>
Subject: [44070] Field Day at the Zuni Loop
Message-ID: <000301bec40a\$110af380\$3a47cbd1@Camqrp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FD '99 at the Zuni Loop (K6ZNI) was a compact, laid-back affair this year. Only seven operators and five supervisors. We managed 558 CW Qs, 176 Phone Qs and 42 Digital Qs for a total of 776.

Highlight: We ran a new NorCal 20 on 20 CW for a total of 300 Qs. It proved to be a very good performer on transmit, receive, and all the transitions in between. An excellent contest radio!

Highlight: PSK31! Tony K6EK and Paul N6EV put together a last-minute PSK-31 rig and worked everyone they could hear. Lots of PSK activity, will probably be lots more next year.

Highlight: 20 Meter SSB with NN1G's WM-20. This is true

guerilla QRP operating. You gotta hit 'em when nobody else is calling. Worked well into the Midwest and South.

Highlight: My 20 meter dipole @ 30'! (See below)

Lowlight: My humongous 20M antenna, a Lazy H with reflectors at about 70'. In many cases, it was outgunned by the test dipole we had set up at about 30' (see above). So much for humongous antennas.

Lowlight: We broke two Argo 515s. Rob N7FEG's 515 didn't want to boogie on 15 meters so we switched to mine. It worked until the dreaded dial-cord disease struck. This was such a bad case that the cord actually worked it's way out behind the knob, hung down the front of the rig and bound up the knob so it wouldn't turn! Two Argos headed for the hospital.

In all, a very enjoyable Field Day. See y'all out there next year!

72/73,

Cam N6GA

Date: Thu, 1 Jul 1999 17:42:36 EDT
From: FrConrad@aol.com
To: qrp-l@lehigh.edu
Subject: [44071] Maritime Mobile QRP Installation
Message-ID: <3ac589b6.24ad3acc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear QRPeople,

I am planning a "temporary" installation of my SW40+ and NC20 on a Hobie Cat--a 16-foot catamaran sailboat with a mast of over 20 feet. My plan is to simply attach an antenna lead to the base of the mast and tune it with a ZM2. I plan on dropping a counterpoise over the side. So here's the questions.

1. Should the counterpoise be a quarter wavelength at the operating

freq, or could I use 33 feet of wire which would be about a quarter wave at 40 and a half wave at 20.

2. Would a 100 feet of wire in the water work better?

3. Is there some other (wire type) antenna you would prefer in this situation--such as a 1/2 size G5RV as a steep inverted Vee with the center up at the top of the mast, etc?

I know that when I get there it will probably end up being a "cut and cuss" event in any case, but any knowledge you can pass on before the day would be sincerely appreciated.

Oh yeah. This will be over sea water, if that makes a difference (pray for my radios). I noticed some discussion on the Dummy Load Night thread about a "salt water beach" being a better ground. Is this true, and why?

Thanks for your wit and wisdom,

John+
WB6MFS

Date: Thu, 1 Jul 1999 16:51:37 -0500
From: Jeff Davis <jeff@jehosophat.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [44072] re: Publish It!
Message-ID: <19990701165137.A24491@jehosophat.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I noticed the thread about publishing and thought I'd throw this in the pot....

Jehosophat.com publishes Amateur Radio stories. We like true adventure, fiction, some humor and a small slice of opinion. It's not strictly a QRP site but I've found QRPers to be a fun bunch and so a QRP adventure is almost a sure sell! :-)

Anything that portrays our hobby in a positive light is considered. If you'd like to tell your tale, write it up and submit it. We aren't concerned about spelling, grammar or great prose ... but your submission does need to be in plain text format.

We pay \$25 for first North American serial rights for 500 to 1000 word pieces. If you'd rather own your work but still have it published we can work that out

too... Many of the pieces published on Jehosophat are made freely available to clubs for newsletters and so forth.

Now \$25 won't make you rich, but the 2000 folks who visit each week might mistake you for famous! :-)

You can visit the site at: <http://jehosophat.com> and for more info send an email to editors@jehosophat.com

--

72 de Jeff, N9AVG
QRP-L #1640
QRP ARCI #9756
NorCal #2891

Date: Thu, 1 Jul 1999 16:05:52 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [44073] Calling QRP-L Lurkers (was Publish)
Message-ID: <Pine.SUN.4.10.9907011445050.29485-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
It's encouraging to see this thread about contributing to the hobby, for which writing an article for one of the QRP journals is one way. Another way is to contribute to the primary media we're all enjoying anyway, and right now ... namely, QRP-L.

It always amazes me how much expertise it out there from meeting QRPers at hamfests, who are also on qrp-l, but yet they never post anything, even when it's their expertise or occupation. So therefore, I employ upon ye to contribute to qrp-l when something comes up that you have expertise or first hand knowledge about. There is a vast pool of resources out there on qrp-l alone we need to start using!

FOR EXAMPLE ... there have been recent/current threads on how to paint aluminum, what primer should be used, etc. to basic machine shop practices. Certainly there must be a few of you out there that have involvement with paints/painting for a living, or work in a machine shop professionally. We're envious of what you know! Why not share it?

FOR EXAMPLE ... what *is* the cotton pickin' difference and advantages or disadvantages of all these paints, like enamel, poly this, latex that ... and which ones paint better on this material or another ...

or which ones should use a primer, which one's really don't, etc.

When drilling, what materials should be drilled at slow speed, fast speeds, etc. Or, what's the difference between the different type of drill bits, self-starting bits, etc.

Take your expertise and share it on QRP-L.

- #1 - Your expertise will ALWAYS be appreciated and used.
- #2 - Gives you the experience to write and compose it at an informal level with an audience that puts more emphasis on the content rather than spelling or grammar (excepting a few!).
- #3 - Judge from the response how valuable your contribution was and that it was appreciated.

I can tell you from years of experience on qrp-l, I hardly ever post anything where I don't get an email from one to several QRPers wanting permission to use it in their local newsletter, put it on their website or something (which I generally grant). So walla ... you become an instant author anyway if you grant permission, and you'll see the appeal your contributions will have. It always amazes me how often, the most requests I get to reuse something I posted, is some simple, stupid subject that comes up and I open my big mouth and post about it off the top of my head -- simply because nobody else bothered to talk about it, or it was a subject never presented before.

ATTENTION LURKERS ... please consider contributing to qrp-l when you have the expertise on the subject. Your efforts will be far more appreciated than you can imagine. You will get fan mail, requests to print it somewhere else, or perhaps contacted by one of the editors of the QRP journals, and sometimes unsolicited checks for money. OK - forget the checks, that won't happen.

And lastly, a sore subject with me worth mentioning, is there are a few giant sized zits on qrp-l that feel it's their job to criticize those of us who do things. They'll tell you how stupid you are and how smart they are (though they never contribute themselves) or feel they are the qrp-l net police. IGNORE THEM and don't let them get to you. There are no official net police for qrp-l so ignore their email ... unless it's from K5F0! And if a zit or two attacks you privately about your qrp-l post, why don't you forward it to qrp-l so we know who they are? Unfortunately, I'm not in a position to do that, but a few guys out there need to be exposed, because they have discouraged a lot of guys from contributing or participating anymore. A real shame.

The bottom line is that no institution, including QRP, can survive without an influx of new blood. So get involved and share what you know, and starting here on qrp-l is an excellent way to get feet wet and perhaps

allow you to mature into a noted author someday.

Support the hobby. Give a little back to those things that have been good to you.

72, Paul NA5N

PS - And for those who like to bellyache to our employers, about using work computers during working hours -- note this is from my private account and I'm enjoying a couple hours off for some "comp" time.

Date: Tue, 29 Jun 99 22:16:13 PDT
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [44074] Even More Moon Trouble
Message-ID: <MAPI.Id.0016.004534514f4b20203030303630303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

In addition to all of the other things that have been mentioned the moon = is a poor reflector. It is safe to say that by the time your signal gets= there you will be illuminating the full face of the moon but most of the= surface is sloped in one way another. This means that the signal that = hits these surfaces will be reflected away from the return path. The remaining "flat" surfaces are in reality the convex surface of a sphere which introduces more spread to the signal making it, in effect, fall = off at more than the square of the distance on the return trip.

73
KE4QOK
Bob

Date: Thu, 1 Jul 1999 16:56:03 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Nick R Kennedy" <nkennedy@web.csw.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.EDU>
Subject: [44075] Re: QRP "Miles-Per-Watt" World Record
Message-ID: <00a101bec411\$430742b0\$57e498cd@spock>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Nick R Kennedy <nkennedy@web.csw.net>
To: Randy Jouett <rules@bellsouth.net>
Date: Thursday, July 01, 1999 7:33 AM
Subject: Re: QRP "Miles-Per-Watt" World Record

>Hey Randy--
>
>Sounds good (the superstation).
>
>You should say where W5WMU is located, so folks'll know if it's DX to
>them.
>
>72,

That's a good idea, Nick. Thanks :^).

Ok, folks! W5WMU's antenna farm is located around 3-4 miles east
of Lafayette, LA.

73

Randy Jouett, AB5NI

Date: Thu, 1 Jul 1999 18:42:45 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [44076] German QRP Journal
Message-ID: <Pine.GSO.4.10.9907011834150.27368-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can anyone supply me with information on the German QRP Journal. What I
needd is the following:

Journal name

Issues per year
Source (organization)
Cost per year (both in Germany and elsewhere)
Basis (membership, subscription, other)
Pages per issue (average or range)
Address for editorial correspondence
Typical contents (types of articles and how many of each, regular columns, etc.)
Editor's name and call
Address for subscriptions, if different from editorial address
Page size
Any other special notes

Any help appreciated.

Also, if you know of any new QRP journals widely available for subscription or membership other than QQ, SPRAT, QRPP, Low Down, 5 Watter, and Lo-Key, please send me info similar to the above.

Also, if you know of any recent changes in editors, prices, etc., for any of the journal listed, let me know--even if you think I already know. I've got Ron Stark back at the helm of QQ because I forgot to change things when George took over.

I have a kind of quick deadline on this, so even though some help and slow help is far, far better than no help at all, quick help is the best of all, even if it only earns stars in heaven and no stock profits.

Many thanks in advance.

-73-

LB, W4RNL

End of QRP-L Digest 1505

